

#### Millennium Science & Engineering, Inc.

1605 N. 13<sup>th</sup> Street Boise, Idaho 83702 Phone: 208.345.8292 Fax: 208.344.8007

November 7, 2006

Ms. Carole Zundel Permit Writer Idaho Department of Environmental Quality 1410 N. Hilton Boise, Idaho 83706 RECEIVED

NOV 0 8 2006

Department of Environmental Quality State Air Program

RE:

Tier II Operating Permit Modification, Idaho Asphalt Supply, Inc., Blackfoot, Idaho.

Dear Ms. Zundel:

Please find enclosed one copy of the application to modify the Tier II Permit Application completed for the Idaho Asphalt Supply, Inc. Blackfoot facility.

Thank you for your assistance with this project. If you have any questions please call me at (208) 345-8292.

Regards,

Troy D. Riecke, P.E. Environmental Engineer

Cc: Kenny Custer – Idaho Asphalt Supply, Inc.



# IDAHO ASPHALT SUPPLY, INC.

ASPHALTS . ROAD OILS



November 7, 2006

RECEIVED

NOV 0.8 2006

Department of Environmental Quality State Air Program

Ms. Carole Zundel Permit Writer Idaho Department of Environmental Quality 1410 N. Hilton Boise, Idaho 83706

Re:

Tier II Operating Permit Modification Application Idaho Asphalt Supply, Blackfoot,

ldaho

Dear Ms. Zundel:

Please find our request to modify the existing Tier II Operating Permit for our Blackfoot plant enclosed.

Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

If you have any questions please feel free to contact me at (208) 589-1294.

Sincerely,

Kenny Custer

Idaho Asphalt Supply, Inc.

P.O. Box 50538

Idaho Falls, ID 83405

RECEIVED NOV 0 8 2006

Department of Environmental Quality State Air Program

# Combined PTC/Tier II Operating Permit Application

# Idaho Asphalt Supply, Inc. Blackfoot Facility

November 7, 2006

# Submitted to: Idaho Department of Environmental Quality



Submitted for: Idaho Asphalt Supply, Inc. P.O. Box 50538 Idaho Falls, Idaho 83405

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Diagran	ns		A L L C L C L C L C L C L C L C L C L C	2 /
Process	Flow	Diagram for	Asphalt Cement Storage and Loading/Unloading	. J <del>-4</del>
Process	Flow	Diagram for	PMA Production, Storage, and Loading	. ა <del>-</del> ა
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# **SECTION 1.0**

# **INTRODUCTION**



Idaho Asphalt Supply, Inc. Blackfoot, Idaho Facility

#### 1.0 INTRODUCTION

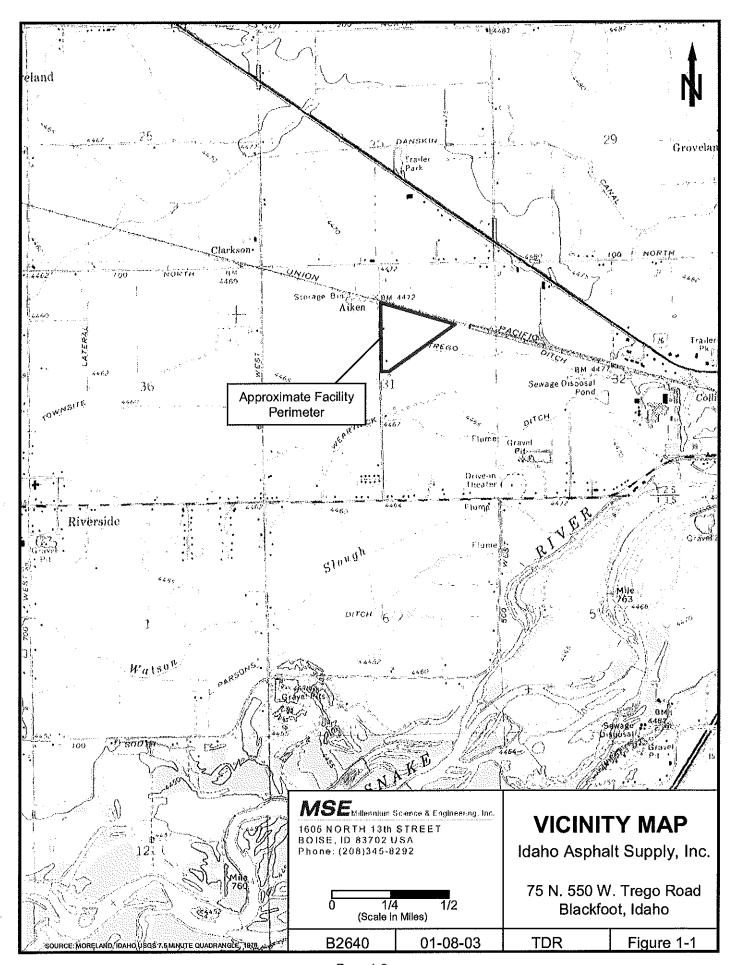
Idaho Asphalt Supply, Inc. (IAS) operates a facility in Blackfoot, Idaho with physical address of 75 North 550 West Trego Road (see Figure 1-1 for vicinity map and Figure 1-2 for facility map). The IAS facility stores, mixes, and distributes asphalt cement products.

There are four primary categories of emission sources at the IAS facility: fuel burning equipment, storage and handling of volatile liquids, loading racks, and fugitive road dust from traffic on unpaved roads.

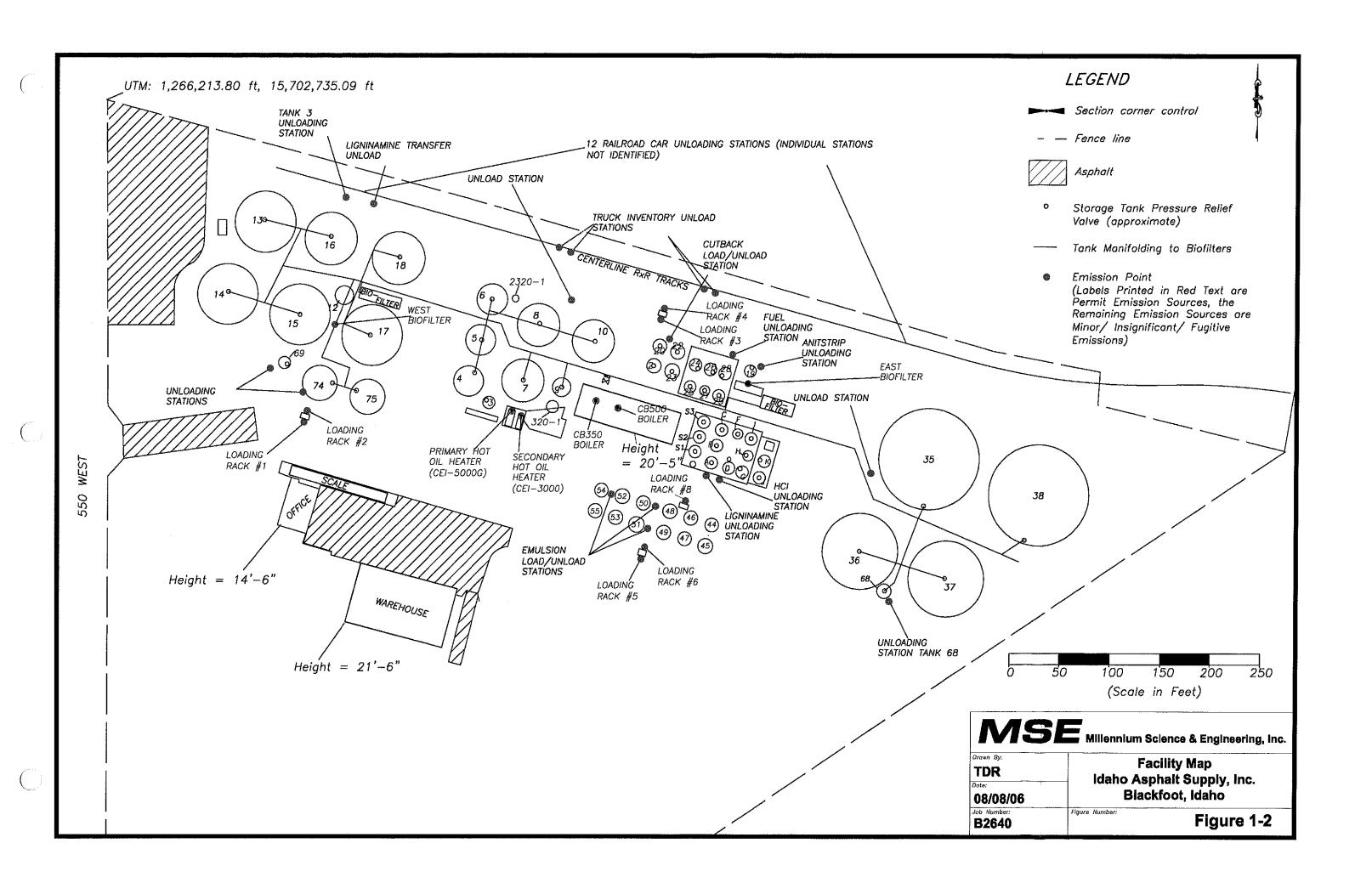
The Idaho Department of Environmental Quality (IDEQ) issued a combined Permit to Construct (PTC) and Tier II Operating Permit to the IAS facility on February 6, 2004. The permit was issued for the IAS facility utilizing alternative based tank dimensions as a basis for determining emissions from storage tanks and for air dispersion modeling. The alternative approach was utilized to protect information considered to be confidential by IAS.

Recent changes in the asphalt cement industry have prompted IAS to reconsider permitting and facility operations strategies. IAS has determined that additional flexibility in asphalt product storage and manufacturing is required. Due to this change in strategy IAS has determined that modification of the existing PTC and Tier II Operating permit is necessary to allow the desired operational flexibility. IAS has also decided to disclose actual tank dimensions and capacities in order to simplify the permitting process and to obtain a less restrictive permit. It is anticipated that the requested changes will also simplify and improve permit required record keeping and reporting.

This document contains signed permit application forms and supplementary material sufficient to meet submittal requirements for PTC and Tier II Operating permits.



Page 1-2



# SECTION 2.0 PERMIT APPLICATION FORMS



Idaho Asphalt Supply, Inc. Blackfoot, Idaho Facility

# **SECTION 2.1**

# PTC PERMIT APPLICATION FORMS



Idaho Asphalt Supply, Inc. Blackfoot, Idaho Facility

# STATE OF IDAHO

## DEPARTMENT OF ENVIRONMENTAL QUALITY

APPLICATION TO CONSTRUCT AN AIR POLLUTION EMITTING FACILITY (IDAPA 58.01.01.200-.225)

#### SECTION 1: GENERAL INFORMATION

1. COMPANY AND DIVISION NAME			<b></b>	*****	<del></del>	
Idaho Asphalt Supply, Inc.						
2. MAILING ADDRESS		COUNTY			TIME EMPLOYEES	
P.O. Box 941		Bingham		15		
	STATE	ZIP CODE		TELEPHONE NUM		
	<u>Idaho</u>		<u> 221-0941  </u>	(208) 78	<u> 35-1797                                     </u>	
4. PERSON TO CONTACT		I	TLE			
Kenny Custer 5. EXACT PLANT LOCATION (IDENTIL		JE	ngineering	g Manager	· · · · · · · · · · · · · · · · · · ·	
i .						
75 N. 550 W. Trego Ro	ad (UTM: zone 12, 386.	<u>.0 km, 4784.7</u>	km)			
1						
Storage, mixing, and dis	stribution of asphalt cen					<del></del> -
7. REASON FOR APPLICATION		8. LIST ALL FACILIT				
	<b>6</b> 106	CONTROL OR UNDE		INTROL AND HAVI	E EMISSIONS TO	
permit to construct a	a new facility	THE AIR. IF NONE,	SO STATE.			
Dearmit to modify on	ovieting course					
permit to modify an	existing source		IAME	i	LOCATION	
permit number	·	"	MINIC	,	LOCATION	
permit to construct a	now gourgo	Idaho Aspha	lt Supply	nc	Nampa, Idaho	
; <u> </u>		Idaho Aspha			Hauser, Idaho	
at an existing facility		Idano Aspira	it Guppiy, i	110.	ridasci, idario	
change of owner or	loootion	<del></del>				
permit number	location					
· ·	****					
current owner X (other) Rec	place existing permit				<del></del>	
/ (Ottlet) 1/et	hade existing permit					
9, ESTIMATED CONSTRUCTION STA	RT DATE	L	STIMATED COM	PLETION DATE		
1992	IN DATE		xisting	22110112112		
10. NAME AND TITLE OF OWNER OR	RESPONSIBLE OFFICIAL		-Albung			
Jeremy Kroff (Plant Mar						
11. In accordance with IDAPA	4 58.01.01.123 (Rules for the	Control of Air Po	ollution in Ida	iho), I <del>Ghri</del> •	Jeremy Kroff	<del></del>
certify based on information and belief formed after reasonable inquiry, the statements and information in the document are						
true, accurate, and complete.						
VAN INTERVALLE						
SIGNATURE /////// DATE //////						

The following information, at a minimum, must be included in the application package in order for the application to be determined complete:

- A <u>scaled</u> plot plan clearly showing property boundaries and stack and building locations;
- All calculations and assumptions used to estimate emissions;
- Manufacturer's guarantees for stated control efficiencies of all control equipment;
- · A description of potential fugitive emissions;
- A narrative description of the facility and the process from feed material in to final product out;
- · A process flow diagram; and
- Any other information required by the DEQ to determine the application complete.

# STATE OF IDAHO APPLICATION TO CONSTRUCT AN AIR POLLUTION EMITTING FACILITY

SECTION 2: FUEL-BURNING EQUIPMENT (complete a separate page for each unit)

1. APPLICANT'S REFEREN	CE NUMBER							
CB500 Boiler					Y			<del></del>
2. EQUIPMENT MANUFACT	TURER AND		3. RATED HEAT		4. BURNER UN		5. HEAT USAGE	•
		INPUT CAPACITY		TYPE (use code)		% process	% space heating	
Cleaver Brooks CB500			20.5 Million	o DTII/Us	10	,	100%	•
			ZU.5 MIIIIOI		L	'	10070	0 70
6. FUEL DATA		<b>D</b>	la	9. POLLUTION CONTROL E			l 0	
		Primary	Secondary			rimary	Seconda	<u>ry</u>
fuel type (use o	code)		5	type		NA NA	NA NA	·····
percent sulfur			0.5	1		NA NA	NA NA	
percent ash			0.2	model number		NA NA	NA NA	
percent nitroge				% efficiency		NA	NA	
percent carbor								
percent hydrog	jen			MANUFACTURER GUARAN	NTEED	_yes	no	
percent moistu	ire			(Include guarantee)				
heat content		1,020 BTU/SCF	150,000 BTU/gal	for wet scrubb				
(percent by we	ight or volume)							
				pressure d	Irop		inches of water	٢
7. FUEL CONSUMPTION								
		Primary	Secondary	for baghouse:				
Maximum amo	unt				tio			
burned/hour		20,098 SCF	140 gal	al pressure drop inches of water		ſ		
Normal amoun	t							
burned/year		1.76E+8 SCF	1217640 gal	10. STACK OR EXHAUST D				
				Si	tack ID <u>C</u>	B500	-	
Fly ash reinject	tion? yes no	<u>x</u> n.a.			Height	52	•	
8. OPERATING SCHEDULE					iameter	1.96	-	
				Exit gas	volume		•	
Hours per day		24		Exit gas temp	erature	500	F	
Days per week		7						
Weeks per yea	ar	52		(Include a separate pa	age for each	stack if m	nultiple stacks o	r vents
				are used)				
11. CRITERIA POLLUTANT I	ESTIMATED EMISSIONS							
Note: Emission	ns are estimated base	d combustion o	f both natural g	as and recycled waste	oil, lb/hr bas	ed on anr	nual average.	
Particulates	1.39 lb/hr	6.07	tons/yr	Nitrogen oxide	s	7.62	lb/hr	33.37 tons/yr
Sulfur Dioxide	10.87 lb/hr	47.62		Volatile organic		0.16	lb/hr	0.69 tons/yr
Carbon monoxide	1.69 lb/hr	7.39	tons/yr	compounds				
			(include all cal	culations and assumpt	ions)			
FUEL CODES				BURNER CODES			7. Underfeed s	toker
1. Natural gas		1. Spreader stoker 8. Tangentially fired		fired				
2. Oll (specify ASTM grade number)		Chain or traveling grate     9. Horizontally fired		fired				
3. Wood (specify chips	s, bark, shavings			3. Hand fired			10. Other (spe	c#y)
			4. Cyclone furnace		Combination low pressure air		•	
<i>'</i>			5. Wet bottom (pulveri	ized coal)			for oil and high	
5. Other (specify) Recycled Waste Oll, Fuel Oils No 4, 5, 6			6. Dry bottom (pulveriz	ed coal)		ташатқ тиңі-ре	ort type for gas.	

# STATE OF IDAHO APPLICATION TO CONSTRUCT AN AIR POLLUTION EMITTING FACILITY

SECTION 3: PROCESS AND MANUFACTURING EQUIPMENT (complete a separate page for each

distinct process or manufacturing operation) 2. PROCESS OR OPERATION NAME 1. APPLICANT'S REFERENCE NUMBER Asphalt Emulsion (w/ Fuel Content) Storage Tank Tank 49 5. NORMAL MAXIMUM PRODUCT OUTPUT 3. MAXIMUM RATED 4. NORMAL MAXIMUM FEED INPUT tons/hour tons/hr tons/year INPUT CAPACITY tons/year (tons/hr)\* 89.00 89.00 5,489\*\* 89.00 5.489\*\* 10. POLLUTION CONTROL EQUIPMENT 6. PROCESS EQUIPMENT Secondary Primary None None Storage Tank Туре Туре Manufacturer Manufacturer Model Number Model number Asphalt Emulsion Feed Material % efficiency 7. OPERATING SCHEDULE MANUFACTURER GUARANTEED\_ yes\_ (Include guarantee) 24 Hours per day For wet scrubbers: Days per week water flow gpm 52 inches of water pressure drop Weeks per year 8. STACK OR EXHAUST DATA For baghouse: air/cloth ratio inches of water Stack ID Tank 49 pressure drop Height 37 0.5 ft 11. CRITERIA POLLUTANT ESTIMATED EMISSIONS Exit diameter Exit gas volume negligible acfm Exit gas temperature 150 F particulates lb/hr tons/yr lb/hr tons/yr sulfur oxides lb/hr tons/yr carbon monoxide (Include a separate page for each stack if multiple lb/hr stacks or vents are used) nitrogen oxides tons/yr volatile organic 0.280 lb/hr 1.23 tons/yr compounds (Include calculations and assumptions) 9. TOXIC AIR POLLUTANT ESTIMATED EMISSIONS (Include calculations and assumptions) Controlled Emissions Pollutant **Uncontrolled Emissions** 3.04E-03 lb/hr 1.33E-02 tons/yr No Controls lb/hr No Controls tons/yr Benzene lb/hr tons/yr tons/yr lb/hr tons/yr lb/hr lb/hr tons/yr lb/hr tons/yr

lb/hr

tons/yr

lb/hr

tons/yr

<sup>\*</sup>If units other than tons, please specify.

<sup>\*\*</sup>Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.

# STATE OF IDAHO APPLICATION TO CONSTRUCT AN AIR POLLUTION EMITTING FACILITY

SECTION 3: PROCESS AND MANUFACTURING EQUIPMENT (complete a separate page for each

distinct process or manufacturing operation) 1. APPLICANT'S REFERENCE NUMBER 2. PROCESS OR OPERATION NAME Tank 50 Asphalt Emulsion (w/ Fuel Content) Storage Tank 5. NORMAL MAXIMUM PRODUCT OUTPUT 3. MAXIMUM RATED 4. NORMAL MAXIMUM FEED INPUT INPUT CAPACITY tons/hour tons/hr tons/year tons/year (tons/hr)\* 89.00 89.00 5,489\*\* 89.00 5,489\*\* 6. PROCESS EQUIPMENT 10. POLLUTION CONTROL EQUIPMENT Primary Secondary Storage Tank Туре None None Type Manufacturer Manufacturer Model Number Model number Asphalt Emulsion Feed Material % efficiency 7. OPERATING SCHEDULE MANUFACTURER GUARANTEED\_ (Include guarantee) Hours per day For wet scrubbers: Days per week water flow 52 Weeks per year inches of water pressure drop 8. STACK OR EXHAUST DATA For baghouse: air/cloth ratio Stack ID Tank 50 pressure drop inches of water Height 37 0.5 ft Exit diameter 11. CRITERIA POLLUTANT ESTIMATED EMISSIONS Exit gas volume negligible acfm Exit gas temperature 150 particulates lb/hr tons/yr lb/hr tons/yr sulfur oxides (Include a separate page for each stack if multiple carbon monoxide lb/hr tons/yr stacks or vents are used) nitrogen oxides lb/hr tons/yr volatile organic 0.280 lb/hr 1.23 tons/yr compounds (Include calculations and assumptions) 9. TOXIC AIR POLLUTANT ESTIMATED EMISSIONS (Include calculations and assumptions) Pollutant Uncontrolled Emissions Controlled Emissions Benzene 3.04E-03 lb/hr 1.33E-02 tons/yr No Controls No Controls lb/hr tons/yr lb/hr tons/yr lb/hr tons/yr lb/hr lb/hr tons/yr tons/yr lb/hr lb/hr tons/yr tons/yr lb/hr tons/yr lb/hr tons/yr

<sup>\*</sup>If units other than tons, please specify.

<sup>\*\*</sup>Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.

# **SECTION 2.2**

# TIER II OPERATING PERMIT APPLICATION FORMS



Idaho Asphalt Supply, Inc. Blackfoot, Idaho Facility

#### **COMPLETENESS DETERMINATION CHECKLIST AND APPLICATION INDEX**

Company N	lame _	ldaho Asphalt Supply, Inc.
Location	-	Blackfoot, Idaho
Project		Tier II Operating Permit Application
Reviewer	-	
Date	_	
required info	rmation have shall be sub	been provided as a checklist and application index to ensure all the been included with the air pollution source permit application.  In a policy of the permit application:
	Application	Forms
♡ (	Source Des	criptions
<i>Ċ</i> ;	Source Flov	v Diagrams
۱	Plot Plans	
<del>ن</del> ا	Emission E	stimate References and Documentation
<i>∽</i> [	Excess Emi	ssion Documentation
~ <i>/</i>	Ambient Air	Impact Analysis
<i>Ċ</i> (	Compliance	Certification Plan

Each page of the permit application shall be numbered so that each page can be referenced individually. This will allow these checklist forms to act as the permit application table of contents.

**Note on Page Numbering:** Page numbers referring to specific Tier II application forms are preceded with "(Tier II)". All other pager numbers refer to pages in the supplementary materials included with the application.

#### **APPLICATION FORMS**

SECTION	SOURCE	<u>PAGE</u>
	General Information	(Tier II) 1-1
	Fuel Burning Equipment - CB500	(Tier II) 2-1 - 2-6
	Fuel Burning Equipment - CB350	(Tier II) 2-7, 2-8
	Fuel Burning Equipment - CEI-5000G	(Tier II) 2-9, 2-10
	Fuel Burning Equipment - CEI-3000	(Tier II) 2-11, 2-12
	Storage and Handling of Volatile Compounds - Asphalt Cement Storage Tanks	(Tier II) 5-1 - 5-42
	Storage and Handling of Volatile Compounds - Asphalt Emulsion (water content) Storage Tanks	(Tier II) 5-43 - 5-62
	Storage and Handling of Volatile Compounds - Asphalt Emulsion (fuel content) Storage Tanks	(Tier II) 5-63 - 5-66
	Storage and Handling of Volatile Compounds - Asphalt Cutback Storage Tanks	(Tier II) 5-67 - 5-76
	Storage and Handling of Volatile Compounds - Additive/Fuel Storage Tanks	(Tier II) 5-77 - 5-106
	Loading Racks - Asphalt Cement	(Tier II) 6-1 - 6-4, 6-7, 6-8
	Loading Racks - Asphalt Cutback	(Tier II) 6-5, 6-6
	Loading Racks - Asphalt Emulsions	(Tier II) 6-9 - 6-12
	Fugitive Road Dust Sources	(Tier II) 8-1, 8-2
	<u>YES</u>	<u>NO</u>
Ċ	Is the application signed and dated?	
♡	Are all the forms adequately completed?	

### **SOURCE DESCRIPTIONS**

<u>SOURCE</u>	<u>PAGE</u>	
Fuel Burning Equipment	4-1	
Storage and Handling of Volatile Compounds	4-1 - 4-3	
Loading Racks	4-3, 4-4	
Fugitive Road Dust Emissions	4-4	
	<del></del>	
	YES	<u>NO</u>
Are the existing facilities described?		
Are the modifications or new facilities described?	N/A	N/A
Are all applicable processes, materials, ventilation, and controls described?	<u> </u>	
740 dii applicable processes, materiale, vertilation, and software accombed:		•
Are all equipment referenced by specific ID name or number?		

# SOURCE FLOW DIAGRAMS

SOURCE	PAGE	
Asphalt Cement Storage and Loading/Unloading	3-4	
PMA Production, Storage, and Loading	3-5	
Asphalt Cutback Production, Storage, and Loading	<u>3-6</u>	
Asphalt Emulsion Production, Storage, and Loading	3-7	
······································		
	**************************************	
	<del></del>	
	<u>YES</u>	<u>NO</u>
	<b>_</b> ✓	
Shows entire existing facility?	<u> </u>	
Shows entire future facility?	N/A	N/A
Shows each process separately (if needed)?		
Details storage, roads, transfers, and processing?	<b>✓</b>	
Labeling is adequate (processes and stacks identified, flowrates, and process rates shown)?		

## **PLOT PLANS**

SOURCE		<u>PAGE</u>	
Vicinity Map		1-2	
Facility Map		<u> </u>	
		YES	<u>NO</u>
		✓	
Shows location coordinates?		✓	
Shows plant boundaries?		✓	
		<del></del>	
Shows neighboring ownership and	l facilities?	<b>✓</b>	
Shows topography?		<b>✓</b>	
Scale shown or distances adequate	at tabada do	✓	
Scale shown or distances adequate	ely labeled?		
Shows all buildings, equipment, sto	orage, and roads?	✓	
Charle an adianger equipment, our			
is adequate for both existing and fu	uture or includes both?	✓	

## **EMISSION ESTIMATE REFERENCES AND DOCUMENTATION**

SOURCE	<u>PAGE</u>	
Fuel Burning Equipment	5-1, Appendix A	
Storage Tanks	5-1, 5-2, Appendix B	
Loading Racks	5-2, Appendix C	
Fugitive Road Dust Emissions	5-2, Appendix D	
· · · · · · · · · · · · · · · · · · ·		
	<u>YES</u>	<u>NO</u>
All fugitive and point sources listed		
All pollutants addressed?		
Process documentation and specs included?	✓	
Control equipment documentation and specs included?	N/A	N/A
Emission factors documented and referenced?	<b></b>	
Emission lastors documented and referenced;		
Calculations and assumptions shown?		
Source tests referenced (test includes processing and control device test conditions)?	N/A	N/A

EXCESS EMISSION DOCUMENTATION - Not Applicable		
SOURCE	<u>PAGE</u>	
	<del></del>	
	<del></del>	
	<del></del>	
	<u>YES</u>	<u>NO</u>
All three types of excess emissions (startup, shutdown, and scheduled maintenance) covered for each source?	<u></u>	
Calculations and documentation included?		
Expected frequencies of excess emissions noted?	<del></del>	
Justification for amounts and frequencies of excess emissions?		
Procedures for minimizing excess emissions covered?		

## **AMBIENT AIR IMPACT ANALYSIS**

PROJECT	<u>PAGE</u>
Existing ambient air quality discussion including attainment status and classification of areas which may be significantly impacted.	
Discussion of dispersion model use and assumptions.	6-1, 6-2
Dispersion model input.	6-1 - 6-3, On CD
Disperson model output.	Appendix E and on CD
Discussion of ambient impacts for each pollutant.	6-5
Discussion of how excessive impacts will be controlled or avoided for sources and pollutants with the potential for these.	8-1

# **COMPLIANCE CERTIFICATION PLAI-** Not Applicable **SOURCE PAGE** <u>YES</u> <u>NO</u> Monitoring, recordkeeping, and reporting discussed? Stack testing methods thoroughly documented? Discussion and documentation of process control mechanisms used to meet emission limits? Quality assurance/quality control discussed? Monitoring equipment specifications and documentation included?

## **SECTION 1: GENERAL INFORMATION**

COMPANY & DIVISION NAME	Idaho Asphalt Supply, Inc.	400	
STREET ADDRESS OR P.O. BOX	P.O. Box 941		
CITY	Blackfoot		
STATE Idaho ZIF	83221-0941		
PERSON TO CONTACT	Kenny Custer		
TITLE	Engineering Manager		
PHONE NUMBER	(208) 589-1294	]	
EXACT PLANT LOCATION	75 N. 550 W. Trego Road		
GENERAL NATURE OF BUSINESS	Storage, mixing, distribution of asphalt	cement products.	
NUMBER OF FULL-TIME EMPLOYEES	15		
PROPERTY AREA (ACRES)	16	REASON FOR APPLICATION (1) Change of Owner or Location (2) Tier I Permit to Operate (3) Tier II Permit to Operate	3
DISTANCE TO NEAREST STATE BORDER (MILES)	67		
PRIMARY SIC	2950	SECONDARY SIC	none
PLANT LOCATION COUNTY	Bingham County	ELEVATION (FT)	4504
UTM ZONE	12		
UTM (X) COORDINATE (KM)	386.0	UTM (Y) COORDINATE (KM)	4784.7
NAME OF FACILITIES List all facilities with the State that are under your	LOCATION OF OT control or under common control and have		
Idaho Asphalt Supply, Inc	Hauser, Idaho	Wilderson .	
Idaho Asphalt Supply, Inc.	Nampa, Idaho		
OWNER OR RESPONSIBLE OFFICIAL	Jeremy Kroff		
TITLE OF RESPONSIBLE OFFICIAL	Plant Manager		
Based on information and belief formed after reas I certify the statements and information in this doc SIGNATURE OF OWNER OR RESPONSIBLE O	ument are accurate and complete.	DATE/ / LIJSafOLe	

DEQ USE ONLY										
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE						
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC						
DEQ SEGMENT CODE										
PART A: GENERAL I	NFORMATION									
PROCESS CODE OR DESCR	RIPTION	CB500 Boiler								
STACK DESCRIPTION		CB500 Boiler Stack								
BUILDING DESCRIPTION		Shop								
MANUFACTURER Clear	ver Brooks	MODEL	CB500	DATE INSTALLED	Sep-96					
				DATE LAST MODIFIED						
RATED CAPAC	CITY (CHOOSE A	PPROPRIATE UNITS)								
MILLION BTU/HR	20.5	1000 LBS STEAM/HR	KILOWAT	TS HORSEPOV	VER					
BURNER TYPE	11	% USED FOR PROCESS	100							
		% USED FOR SPACE HEAT	<u> </u>							
FUEL DATA										
PARAMETER	PRIMARY	UNITS	SECOND							
FUEL CODE (SEE NOTE)	FUEL 01		03, 04,							
PERCENT SULFUR	NA	- ]	0.5							
PERCENT ASH	NA	- ]	0.2							
PERCENT NITROGEN	NA	_	NA							
PERCENT CARBON	NA	]	NA							
PERCENT HYDROGEN	NA	]	NA							
PERCENT MOISTURE	NA		NA							
HEAT CONTENT (BTU/UNIT)	1020	SCF	146,000-15	50,000 gallons	]					
MAXIMUM HOURLY COMBUSTION RATE (UNITS	20,098 S/HR)	SCF	137-14	gallons	]					
NORMAL ANNUAL COMBUSTION RATE (UNIT	1.761E+08	SCF	748,523-1,2	17,640 gallons	]					
NOTE: BURNER TYPE - 01)	SPREAD STOKER; 02)	CHAIN OR TRAVELING GRATE	; 03) HAND FIRED; 04) CYC	LONE FURNACE;						
05)	WET BOTTOM (PULVE	RIZED COAL); 06) DRY BOTTO	M (PULVERIZED COAL);							
07)	UNDERFEED STOKER	S; 08) TANGENTIALLY FIRED;			<del></del>					
•	OTHER (SPECIFY)	combination low pressure air at			_					
·	·	OR #2 FUEL OIL; 03) #4 FUEL OOD BARK; 08) WOOD SHAVIN		.; 00) USED OIL						
•		AL; 11) BITUMINOUS COAL; 12)		GNITE COAL						
14)	PROPANE; 15) OTHER	(SPECIFY)								

#### SECTION 2, PART B - CB500 Natural Gas Combustion

Tier II

ODEDATING DA	TA .					Page 2-2
OPERATING DATE PERCENT FUEL CONSUMPTION PER		OPERATING SC	HEDULE			
DEC-FEB 25		HOURS/DAY	24			(
MAR-MAY 25		DAY/WEEK	7			
JUN-AUG 25		WEEKS/YEAR	52			
SEP-NOV 25						
POLLUTION COM	NTROL EQUIPMENT					
PARAMETER	PRIMARY		SECONDA	ARY		
TYPE	None		None	<del></del>	· · · · · · · · · · · · · · · · · · ·	
TYPE CODE (FROM APP. A)					<del></del>	
MANUFACTURER	<u></u>					
MODEL NUMBER			<u> </u>	_		
PRESSURE DROP (IN, OF WATER)						
WET SCRUBBER FLOW (GPM)				]		
BAGHOUSE AIR/CLOTH RATIO (FPM)				]		
VENTILATION A	ND BUILDING/AREA	DATA SI	TACK DATA			
ENCLOSED (Y/N)?	Y	GROUND ELEVA	ATION (FT)		4504	
HOOD TYPE (FROM APP, B)		UTM X COORDIN	NATE (KM)		386,1952	
MINIMUM FLOW (ACFM)		UTM Y COORDIN	NATE (KM)		4787.3244	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	EE NOTE BELOW)		02	(
BUILDING HEIGHT (FT)	20.5	STACK EXIT HEI	GHT FROM GROUND LEVEL (FT	")	52	(
BUILDING/AREA LENGTH (FT)	102.5	STACK EXIT DIA	METER (FT)		1.96	
BUILDING/AREA WIDTH (FT)	32	STACK EXIT GAS	S FLOWRATE (ACFM)		8,330	
		STACK EXIT TEN	MPERATURE (DEG. F)		500	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALL	OWABLE EMISSI	ONS
	(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM	7.60E-06		1.53E-01			
PM-10	7.60E-06		1.53E-01			
SO2	6.00E-07		1.21E-02			
со	8.40E-05		1.69E+00			
NOX	1.00E-04		2.01E+00			
VOC	5.50E-06		1.11E-01			
LEAD	5.00E-10		1.00E-05			
Arsenic 7440-38-2	2.00E-10		4.02E-06			
Benzene 71-43-2	2.10E-09		4.22E-05			
Cadmlum 7440-43-9	1.10E-09		2.21E-05			

Nickel NOTE:

Formaldehyde

50-00-0

7440-02-0

7.50E-08

2.10E-09

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

1.51E-03

4.22E-05

#### SECTION 2, PART B - CB500 Waste Oil Combustion

Tier II

Page 2-3

	OPERATING DAT						, - <b>3</b>
PERCENT FU	EL CONSUMPTION PER C		OPERATING SCHE	DULE			
DEC-FEB	25		HOURS/DAY	24			
MAR-MAY	25		DAY/WEEK	7			
JUN-AUG	25		WEEKS/YEAR	32.51 based o	n maximum allowab	ile annual o <del>il</del> com	bustlon
SEP-NOV	25						
	POLLUTION CON	TROL EQUIPMEN	IT				
PARAMETER		PRIMARY		SECON	DARY		•
TYPE		None		None		<u> </u>	
TYPE CODE (I	·		· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u></u>	
MANUFACTUR			··	<u> </u>			
MODEL NUME							
	ROP (IN. OF WATER)			<u> </u>	<u>-</u>		
	BER FLOW (GPM)			<u>                                     </u>	<u>-</u>		
BAGHOUSE A	IR/CLOTH RATIO (FPM)			<u> </u>			
	VENTILATION AN	D BUILDING/ARE	A DATA STA	CK DATA			
ENCLOSED (Y	(/N)?	Y	GROUND ELEVATI	ON (FT)		4504	
HOOD TYPE (I	FROM APP. B)		UTM X COORDINA	FE (KM)		386.1952	
MINIMUM FLO	W (ACFM)		UTM Y COORDINA	re (KM)		4787.3244	
PERCENT CAI	PTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		02	
BUILDING HEI	GHT (FT)	20.5	STACK EXIT HEIGH	IT FROM GROUND LEVEL (	FT)	52	
BUILDING/ARE	EA LENGTH (FT)	102.5	STACK EXIT DIAME	ETER (FT)		1.96	
BUILDING/ARE	EA WIDTH (FT)	32	STACK EXIT GAS F	LOWRATE (ACFM)		8,102	
			STACK EXIT TEMP	ERATURE (DEG. F)		500	
	AIR POLLUTANT	EMISSIONS	consum	ption 136.67 gal/hr	hour	s 5477	
POLLUTANT	CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED		OWABLE EMISS	
		(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM		1.28E-02		1.75E+00		4.79E+00	
PM-10		1.02E-02		1.39E+00		3.82E+00	
SO2		7.35E-02		1.00E+01		2.75E+01	
co		5.00E-03		6.83E-01		1.87E+00	
NOX		1.90E-02		2.60E+00		7.11E+00	
voc		1.00E-03		1.37E-01		3.74E-01	
LEAD		5.50E-04		7.52E-02		2.06E-01	
Arsenic	7440-38-2	7.41E-06		1.01E-03		2.77E-03	
Benzene	71-43-2	2.14E-07		2.92E-05		8.01E-05	
Cadmlum	7440-43-9	2.96E-06		4.05E-04		1.11E-03	
Formaldehyde	50-00-0	3.03E-05		4.14E-03		1.13E-02	
Nickel	7440-02-0	1.10E-05		1.50E-03		4.12E-03	

#### SECTION 2, PART B - CB500 No. 4 Fuel Oil Combustion

Tier II

Page 2-4

OPERATING DATA						•
PERCENT FUEL CONSUMPTION PER QUA	ARTER	OPERATING SCHEDU	_E			(
DEC-FEB 25		HOURS/DAY	24			(
MAR-MAY 25		DAYWEEK	7			
JUN-AUG 25		WEEKS/YEAR	51.30 based on	maximum allowab	le annual oil comb	oustion
SEP-NOV 25						
POLLUTION CONTI	ROL EQUIPMENT					
PARAMETER TYPE	PRIMARY None		SECONDA None	ARY		
TYPE CODE (FROM APP. A)				]		
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)				]		
WET SCRUBBER FLOW (GPM)				]		
BAGHOUSE AIR/CLOTH RATIO (FPM)				]		
VENTILATION AND	BUILDING/AREA	DATA STACK	C DATA			
ENCLOSED (Y/N)?	Υ	GROUND ELEVATION	(FT)		4504	
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (	KM)		386.1952	
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (I	KM)		4787.3244	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NO	TE BELOW)		02	(
BUILDING HEIGHT (FT)	20.5	STACK EXIT HEIGHT F	ROM GROUND LEVEL (FT	")	52	(
BUILDING/AREA LENGTH (FT)	102.5	STACK EXIT DIAMETER	₹ (FT)		1.96	
BUILDING/AREA WIDTH (FT)	32	STACK EXIT GAS FLO	WRATE (ACFM)		8,330	
		STACK EXIT TEMPERA	TURE (DEG. F)		500	
AIR POLLUTANT E	MISSIONS	consumptio	n 140.4 gai/hr	hour	s 8642	
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALLO	OWABLE EMISSI	ONS
(	(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM	7.00E-03		9.83E-01		4.25E+00	
PM-10	4.81E-03		6.75E-01		2.92E+00	
SO2	7.50E-02		1.05E+01		4,55E+01	
co	5.00E-03		7.02E-01		3.03E+00	
NOX	2.00E-02		2.81E+00		1.21E+01	
VOC	3,40E-04		4.77E-02		2.06E-01	
LEAD	1,51E-06		2.12E-04		9.16E-04	
Arsenic 7440-38-2	1.32E-06		1.85E-04		8.01E-04	
Benzene 71-43-2	2.14E-07		3.00E-05	:	1.30E-04	
Cadmium 7440-43-9	3.98E-07		5,59E-05		2.41E-04	
Formaldehyde 50-00-0	3.30E-05		4.63E-03		2.00E-02	
Nickel 7440-02-0	8.45E-05		1.19E-02		5.13E-02	

#### SECTION 2, PART B - CB500 No. 5 Fuel Oil Combustion

Tier II

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OPERATING DA	TA				-
PERCENT FUEL CONSUMPTION PER	QUARTER	OPERATING SCHEE	DULE		
DEC-FEB 25		HOURS/DAY	24		
MAR-MAY 25		DAY/WEEK	7		
JUN-AUG 25		WEEKS/YEAR	52.00 based on r	maximum allowable annual oil con	bustion
SEP-NOV 25					
POLLUTION CO	NTROL EQUIPMEN	г			
PARAMETER TYPE	PRIMARY None		SECONDA None	ARY	
TYPE CODE (FROM APP. A)				]	
MANUFACTURER					
MODEL NUMBER					
PRESSURE DROP (IN. OF WATER)				]	
WET SCRUBBER FLOW (GPM)					
BAGHOUSE AIR/CLOTH RATIO (FPM)				]	
VENTILATION A	ND BUILDING/AREA	A DATA STAC	CK DATA		
ENCLOSED (Y/N)?	Y	GROUND ELEVATION	N (FT)	4504	
HOOD TYPE (FROM APP. B)		UTM X COORDINATI	≣ (KM)	386.1952	
MINIMUM FLOW (ACFM)		UTM Y COORDINATE	Ξ (KM)	4787.3244	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE N	OTE BELOW)	02	
BUILDING HEIGHT (FT)	20,5	STACK EXIT HEIGHT	FROM GROUND LEVEL (FT	52	
BUILDING/AREA LENGTH (FT)	102,5	STACK EXIT DIAMET	TER (FT)	1.96	
BUILDING/AREA WIDTH (FT)	32	STACK EXIT GAS FL	OWRATE (ACFM)	8,330	
		STACK EXIT TEMPE	RATURE (DEG. F)	500	
AIR POLLUTANT	EMISSIONS	consump	tion 138.51 gal/hr	hours 8760	
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALLOWABLE EMISS	SIONS
	(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR) (TONS/YR)	REFERENCE
PM	1.00E-02		1.39E+00	6.07E+00	
PM-10	4.81E-03		6.66E-01	2.92E+00	
SO2	7.85E-02		1.09E+01	4.76E+01	
co	5.00E-03		6.93E-01	3.03E+00	
NOX	5.50E-02		7.62E+00	3.34E+01	
voc	1.13E-03		1.57E-01	6.86E-01	
LEAD	1.51E-06		2.09E-04	9.16E-04	
Arsenic 7440-38-2	1.32E-06		1.83E-04	8.01E-04	
Benzene 71-43-2	2.14E-07		2.96E-05	1,30E-04	
Cadmium 7440-43-9	3.98E-07		5.51E-05	2.41E-04	
Formaldehyde 50-00-0	3.30E-05		4.57E-03	2.00E-02	
Nickel 7440-02-0	8.45E-05		1.17E-02	5.13E-02	
NOTE: STACK TYPE - 01) DOWNY	VARD; 02) VERTICAL (UNC	OVERED); 03) VERTICA	AL (COVERED); 04) HORIZON	NTAL; 05) FUGITIVE	

#### SECTION 2, PART B - CB500 No. 6 Fuel Oil Combustion

Tier II

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	ODED ATIMO DAT	- •					1 age 2-0
	OPERATING DAT PERCENT FUEL CONSUMPTION PER C	- *	OPERATING SCHE	DINE			
	DEC-FEB 25	KOPEKTER	HOURS/DAY	24			
	MAR-MAY 25		DAYWEEK	7			
	JUN-AUG 25		WEEKS/YEAR		maviroum allaura	ble annual oil com	huntian
	SEP-NOV 25		WEEKSTEAK	52.00 Dased On	пахипип адома	ole armual on com	ouston
	POLLUTION CON PARAMETER	ITROL EQUIPMEN	łT	22201			
	TYPE	PRIMARY None		SECONE None	ARY		
	TYPE CODE (FROM APP. A)						
	MANUFACTURER						
	MODEL NUMBER						
	PRESSURE DROP (IN. OF WATER)						
	WET SCRUBBER FLOW (GPM)						
	BAGHOUSE AIR/CLOTH RATIO (FPM)						
	VENTILATION AN	ID BUILDING/ARE	A DATA STA	CK DATA			
	ENCLOSED (Y/N)?	Y	GROUND ELEVATION	ON (FT)		4504	
	HOOD TYPE (FROM APP. B)		UTM X COORDINAT	E (KM)		386.1952	
	MINIMUM FLOW (ACFM)		UTM Y COORDINAT	E (KM)		4787.3244	
	PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		02	
	BUILDING HEIGHT (FT)	20.5	STACK EXIT HEIGH	T FROM GROUND LEVEL (F	T)	52	
	BUILDING/AREA LENGTH (FT)	102.5	STACK EXIT DIAME	TER (FT)		1.96	
	BUILDING/AREA WIDTH (FT)	32	STACK EXIT GAS F	LOWRATE (ACFM)		8,330	
			STACK EXIT TEMPE	RATURE (DEG. F)		500	
	AIR POLLUTANT	EMISSIONS	consum	ption 136.67 gal/hr	hou	rs 8760	
	POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALL	OWABLE EMISSI	ONS
		(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
	PM	7.82E-03		1.07E+00		4.68E+00	
	PM-10	4.81E-03		6.57E-01		2.88E+00	
	SO2	7.85E-02		1.07E+01		4.70E+01	
	со	5.00E-03		6.83E-01		2.99E+00	
	NOX	5.50E-02		7.52E+00		3.29E+01	
	voc	1.13E-03		1.54E-01		6.76E-01	
	LEAD	1.51E-06		2.06E-04		9.04E-04	
i	Arsenic 7440-38-2	1.32E-06		1.80E-04		7.90E-04	
	Benzene 71-43-2	2.14E-07		2.92E-05		1.28E-04	
ا	Cadmium 7440-43-9	3.98E-07		5.44E-05		2.38E-04	
	Formaldehyde 50-00-0	3.30E-05		4.51E-03		1.98E-02	
	Nickel 7440-02-0	8.45E-05		1.15E-02		5.06E-02	
	NOTE: STACK TYPE - 01) DOWNWA	ARD; 02) VERTICAL (UN	COVERED); 03) VERTIC	AL (COVERED): 04) HORIZO	NTAL: 05) FUGIT	IVE	

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

# **SECTION 2: FUEL BURNING EQUIPMENT**

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CODE		]	DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		]	SECONDARY SCC	
DEQ SEGMENT CODE						
PART A: GENERAL INFO	ORMATION	· · · · · · · · · · · · · · · · · · ·				
PROCESS CODE OR DESCRIPTI	ION	CB350 Boiler				
STACK DESCRIPTION		CB350 Boiler Stack				
BUILDING DESCRIPTION		Shop				
MANUFACTURER Cleaver B	rooks	MODEL	CB350		DATE INSTALLED	2005
					DATE LAST MODIFIED	
RATED CAPACITY	/ (CHOOSE A	PPROPRIATE UNITS	١			<u> </u>
MILLION BTU/HR 14.9		1000 LBS STEAM/HR		KILOWATTS	LIONGERO	wes
	<b></b>			KILOWATIS	HORSEPO	WER
BURNER TYPE 11		% USED FOR PROCESS	100			
<b></b>		% USED FOR SPACE HEA	\T			
FUEL DATA						
PARAMETER	PRIMARY FUEL	UNITS		SECONDARY FUEL	UNITS	ĺ
FUEL CODE (SEE NOTE)	01	]	]	NA		1
PERCENT SULFUR	NA	]	[			
PERCENT ASH	NA	]	[			
PERCENT NITROGEN	NA	]	[			
PERCENT CARBON	NA	]	[		•	
PERCENT HYDROGEN	NA	]				
PERCENT MOISTURE	NA	]	Г			
HEAT CONTENT (BTU/UNIT)	1020	SCF				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	14,608	SCF				<b>_</b>
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	1.280E+08	SCF				J
NOTE: BURNER TYPE - 01) SPRE	AD STOKER; 02) C	CHAIN OR TRAVELING GRA	TE; 03) HAND FIRED;	04) CYCLONE	FURNACE;	
05) WET	BOTTOM (PULVEI	RIZED COAL); 06) DRY BOT	TOM (PULVERIZED C	OAL);		
07) UND	ERFEED STOKERS	3; 08) TANGENTIALLY FIRE	D; 09) HORIZONTALL	Y FIRED; 10) A	KIALLY FIRED;	
11) OTHE	ER (SPECIFY)	high radiant multi-port type f	or gas.			
		OR #2 FUEL OIL; 03) #4 FUE			JSED OIL	
		OD BARK; 08) WOOD SHAV				(
		L; 11) BITUMINOUS COAL; 1	2) ANTHRACITE COA	AL; 13) LIGNITE	COAL	
14) PROF	PANE; 15) OTHER	(SPECIFY)				

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u		LIX	~		11	u	₩.	~		-

PERCENT FUE	EL CONSUMPTION PER Q	UARTER	OPERATING SCH	EDULE			
DEC-FEB	25		HOURS/DAY	24			
MAR-MAY	25		DAY/WEEK	7			
JUN-AUG	25		WEEKS/YEAR	52			
SEP-NOV	25						
	POLLUTION CON	TROL EQUIPMEN	IT				
PARAMETER		PRIMARY		SECON	DARY		
TYPE		None		None			
TYPE CODE (F	ROM APP. A)						
MANUFACTUR	ER .						
MODEL NUMB	ER						
PRESSURE DE	ROP (IN. OF WATER)						
WET SCRUBBI	ER FLOW (GPM)						
BAGHOUSE AI	R/CLOTH RATIO (FPM)						
	VENTILATION ANI	D BUILDING/ARE	A DATA STA	ACK DATA			
ENCLOSED (Y	(N)?	Y	GROUND ELEVAT	ION (FT)		4504	
HOOD TYPE (F	ROM APP. B)		UTM X COORDINA	TE (KM)		386.1885	
MINIMUM FLO	W (ACFM)		UTM Y COORDINA	TE (KM)		4787.3265	
PERCENT CAP	PTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		02	
BUILDING HEI	GHT (FT)	20.5	STACK EXIT HEIG	HT FROM GROUND LEVEL (	FT)	29.67	
BUILDING/ARE	A LENGTH (FT)	102.5	STACK EXIT DIAM	ETER (FT)		1.67	
BUILDING/ARE	A WIDTH (FT)	32	STACK EXIT GAS	FLOWRATE (ACFM)		4,540	
			STACK EXIT TEMP	PERATURE (DEG. F)		260	
	AIR POLLUTANT	EMISSIONS					
POLLUTANT	CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALL	OWABLE EMISS	IONS
		(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM		7.60E-06		1.11E-01			
PM-10		7.60E-06		1.11E-01			
SO2		6.00E-07		8.76E-03			
со		8.40E-05		1.23E+00			
NOX		1.00E-04		1.46E+00			
voc		5.50E-06		8.03E-02			
LEAD		5.00E-10		7.30E-06			
Arsenic	7440-38-2	2.00E-10		2.92E-06			
Benzene	71-43-2	2.10E-09		3.07E-05			
Cadmlum	7440-43-9	1.10E-09		1.61E-05			
Formaldehyde	50-00-0	7.50E-08		1.10E-03			
Nickel	7440-02-0	2.10E-09		3.07E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

DEQ USE ONLY					
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					
PART A: GENERA	AL INFORMATION				
PROCESS CODE OR DE	SCRIPTION	Primary Hot Oil Heater - CEI-50	000G		
STACK DESCRIPTION		Primary Hot Oil Heater Stack			
BUILDING DESCRIPTION	N	None			
MANUFACTURER	CEI Enterprises, Inc.	MODEL	CEI-5000G	DATE INSTALLED	Apr-99
				DATE LAST MODIFIED	
RATED CAF	PACITY (CHOOSE A	PPROPRIATE UNITS)			
MILLION BTU/HR	7.3	1000 LBS STEAM/HR	KILOWATTS	HORSEPOWE	R
BURNER TYPE	11	% USED FOR PROCESS	100		
		% USED FOR SPACE HEAT			
FUEL DATA	•				
PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS	
FUEL CODE (SEE NOTE)	·	]	NA	]	
PERCENT SULFUR	NA	]	- · · · · · · · · · · · · · · · · · · ·	]	
PERCENT ASH	NA	]		]	
PERCENT NITROGEN	NA	]		]	
PERCENT CARBON	NA	]		]	
PERCENT HYDROGEN	NA	]		]	
PERCENT MOISTURE	NA	]		]	
HEAT CONTENT (BTU/UNIT)	1020	SCF			
MAXIMUM HOURLY COMBUSTION RATE (UN	7,157 VITS/HR)	SCF			
NORMAL ANNUAL COMBUSTION RATE (U	6.269E+07 NITS/YR)	SCF			
NOTE: BURNER TYPE - 0	01) SPREAD STOKER; 02) C	CHAIN OR TRAVELING GRATE;	03) HAND FIRED; 04) CYCLONE	FURNACE;	
	05) WET BOTTOM (PULVER	RIZED COAL); 06) DRY BOTTON	(PULVERIZED COAL);		
,	07) UNDERFEED STOKERS	6; 08) TANGENTIALLY FIRED; 0	9) HORIZONTALLY FIRED; 10) A	XIALLY FIRED;	
		Full modulation pressure atomizi			
			OIL; 04) #5 OR #6 FUEL OIL; 05) I	USED OIL	
		OD BARK; 08) WOOD SHAVING			
	14) PROPANE; 15) OTHER		ANTHRACITE COAL; 13) LIGNITE	: CUAL	

OPERATING DAT	ΓΑ					
PERCENT FUEL CONSUMPTION PER (	QUARTER	OPERATING SCH	EDULE			
DEC-FEB 25		HOURS/DAY	24			
MAR-MAY 25	•	DAY/WEEK	7			
JUN-AUG 25		WEEKS/YEAR	52			
SEP-NOV 25						
POLLUTION CON	NTROL EQUIPMEN	IT				
PARAMETER TYPE	PRIMARY None		SECONDA None	ARY		
TYPE CODE (FROM APP. A)				]		
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)				]		
WET SCRUBBER FLOW (GPM)				]		
BAGHOUSE AIR/CLOTH RATIO (FPM)				]		
VENTILATION AN	ND BUILDING/ARE	A DATA STA	CK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVATI	ON (FT)		4504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	TE (KM)		386.1629	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	TE (KM)		4787.3238	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		02	
BUILDING HEIGHT (FT)	NA	STACK EXIT HEIGH	IT FROM GROUND LEVEL (FT	)	10.08	
BUILDING/AREA LENGTH (FT)	NA	STACK EXIT DIAM	ETER (FT)		1,33	
BUILDING/AREA WIDTH (FT)	NA	STACK EXIT GAS F	LOWRATE (ACFM)		3,275	
		STACK EXIT TEMP	ERATURE (DEG. F)		600	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALLO	OWABLE EMISSI	ONS
	(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM	7.60E-06		5.44E-02			
PM-10	7.60E-06		5.44E-02			
SO2	6.00E-07		4.29E-03			
co	8.40E-05		6.01E-01			
NOX	1.00E-04		7.16E-01			
VOC	5.50E-06		3.94E-02			
LEAD	5.00E-10		3.58E-06			
Arsenic 7440-38-2	2.00E-10		1.43E-06			
Benzene 71-43-2	2.10E-09		1.50E-05			
Cadmium 7440-43-9	1.10E-09		7.87E-06			
Formaldehyde 50-00-0	7.50E-08		5.37E-04			
Nickel 7440-02-0	2.10E-09		1.50E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

DEQ USE ONLY									
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE					
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC					
DEQ SEGMENT CODE									
PART A: GENERAL	INFORMATION								
PROCESS CODE OR DESC	RIPTION	Secondary Hot Oil Heater - CE	il-3000						
STACK DESCRIPTION		Secondary Hot Oil Heater Stack							
BUILDING DESCRIPTION		None							
MANUFACTURER CEI	Enterprises, Inc.	MODEL	CEI-3000	DATE INSTALLED	Oct-93				
				DATE LAST MODIFIED					
RATED CAPA	CITY (CHOOSE A	PPROPRIATE UNITS)							
MILLION BTU/HR	4.23	1000 LBS STEAM/HR	KILOWATI	'S HORSEPO	OWER				
BURNER TYPE	11	% USED FOR PROCESS	100						
		% USED FOR SPACE HEAT							
FUEL DATA									
PARAMETER	PRIMARY FUEL	UNITS	SECONDA FUEL	ARY UNITS	ye.				
FUEL CODE (SEE NOTE)	01	]	NA NA		(				
PERCENT SULFUR	NA								
PERCENT ASH	NA	]							
PERCENT NITROGEN	NA	]							
PERCENT CARBON	NA	]							
PERCENT HYDROGEN	NA	]							
PERCENT MOISTURE	NA NA	]							
HEAT CONTENT (BTU/UNIT)	1020	SCF							
MAXIMUM HOURLY COMBUSTION RATE (UNIT	4,147 S/HR)	SCF	•						
NORMAL ANNUAL COMBUSTION RATE (UNI	3.633E+07	SCF							
NOTE: BURNER TYPE - 01)	SPREAD STOKER; 02)	CHAIN OR TRAVELING GRATE	; 03) HAND FIRED; 04) CYCLO	ONE FURNACE;					
05	) WET BOTTOM (PULVE	RIZED COAL); 06) DRY BOTTO	M (PULVERIZED COAL);						
07	) UNDERFEED STOKER	S; 08) TANGENTIALLY FIRED;	09) HORIZONTALLY FIRED; 1	0) AXIALLY FIRED;					
	) OTHER (SPECIFY)	Full modulation pressure atomi							
FUEL CODES - 01	) NATURAL GAS; 02) #1	OR #2 FUEL OIL; 03) #4 FUEL	OIL; 04) #5 OR #6 FUEL OIL;	05) USED OIL	.*				
		OD BARK; 08) WOOD SHAVIN	•		(				
	) SUBBITUMINOUS COA ) PROPANE; 15) OTHER	L; 11) BITUMINOUS COAL; 12)	ANTHRACITE COAL; 13) LIG	NITE COAL					
14	A ROLVIET IN OTHER	(OLEOH-L)							

#### **OPERATING DATA**

PERCENT FUEL CONSUMPTION PER		OPERATING SCH	EDULE			
DEC-FEB 25		HOURS/DAY	24			
MAR-MAY 26		DAY/WEEK	7			
JUN-AUG 25		WEEKS/YEAR	52			
SEP-NOV 25						
POLLUTION CO	NTROL EQUIPME	ENT				
PARAMETER	PRIMARY		SECO	ONDARY		
TYPE	None		None			
TYPE CODE (FROM APP. A)			<u></u>			
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTILATION A	ND BUILDING/AR	EA DATA STA	ACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	ION (FT)		4504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	TE (KM)		386.1657	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	TE (KM)		4787.3222	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		02	
BUILDING HEIGHT (FT)	NA	STACK EXIT HEIG	HT FROM GROUND LEVE	L (FT)	14.67	
BUILDING/AREA LENGTH (FT)	NA	STACK EXIT DIAM	ETER (FT)		1.00	
BUILDING/AREA WIDTH (FT)	NA	STACK EXIT GAS	FLOWRATE (ACFM)		1,755	
		STACK EXIT TEMP	PERATURE (DEG. F)		520	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALLO	OWABLE EMISSI	IONS
	(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM	7.60E-06		3.15E-02			
PM-10	7.60E-06		3.15E-02			
SO2	6.00E-07		2.49E-03			
со	8.40E-05		3.48E-01			
NOX	1.00E-04		4.15E-01			
voc	5.50E-06		2.28E-02			
LEAD	5.00E-10		2.07E-06			
Arsenic 7440-38-2	2.00E-10		8.29E-07			
Benzene 71-43-2	2.10E-09		8.71E-06			
Cadmium 7440-43-9	1.10E-09		4.58E-06			
Formaldehyde 50-00-0	7.50E-08		3.11E-04			
Nickel 7440-02-0	2.10E-09		8.71E-06			

SECTION 3: PROCESS	Tier II Page 3-1				
DEQ USE ONLY					Ŭ
DEQ PLANT ID CODE	DEQ PROCESS CODE		DEQ STACK ID CODE		(
DEQ BUILDING CODE	PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE					
PART A: GENERAL INFORMA	TION				
PROCESS CODE OR DESCRIPTION	-				
STACK DESCRIPTION					
BUILDING DESCRIPTION					
MANUFACTURER		MODEL		DATE INSTALLED	
				DATE LAST MODIFIED	
PROCESSING DATA					
PROCESS STREAM MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS		
INPUT					
PRODUCT OUTPUT					
WASTE OUTPUT					$\epsilon$
RECYCLE					<u> </u>
POTENTIAL HAPS IN	I PROCESS STREA	.M/S)			
HAP DESCRIPTION	HAP CAS	FRACTION IN INPUT	FRACTION IN PRODUCT	FRACTION IN WASTE	FRACTION IN RECYCLE
	NUMBER	STREAM BY WEIGHT	STREAM BY WEIGHT	STREAM BY WEIGHT	STREAM BY WEIGHT

# **SECTION 3, PART B - Not Applicable**

Tier II Page 3-2

PERCENT FUEL CONSUMETION PER QUARTER OPERATING SCHEDULE  MAR.RAW DAYWEEK JUN.AUG WEEKSYEAR  SEP-NOV  POLLUTION CONTROL EQUIPMENT  PARAMETER PERMARY TYPE  PERMARY  SECONDARY  TYPE MODE, NAMBER MODE, NAMBER MODE, NAMBER PRESSURE DROP (IN OF WATER) BAGHOUSE ARROLOTH RATIO (FPM)  VENTILATION AND BUILDING/AREA DATA STACK DATA  ENCLOSED (YNIY)  GROUND ELEVATION (FF)  MANUMARION (ACPA)  UTM X COORDINATE (MG)  MANUMARION (ACPA)  UTM X COORDINATE (MG)  MANUMARION (ACPA)  UTM X COORDINATE (MG)  MERSON (FF)  BUILDING/AREA WIDTH (FT)  STACK EXIT HBIGHT FROM GROUND LEVEL (FT)  BUILDING/AREA WIDTH (FT)  STACK EXIT HBIGHT FROM GROUND LEVEL (FT)  BUILDING/AREA WIDTH (FT)  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  POLLUTANT CAS NUMBER PACTOR (SEE BELOW)  PERCENT  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  POLLUTANT CAS NUMBER PACTOR (SEE BELOW)  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR (SEE BELOW)  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR (SEE BELOW)  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACTOR  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  PACT	OPERATING DAT	ΓA					
MAR-MAY  JUN-AUG  SEP-NOV  POLLUTION CONTROL EQUIPMENT  PARAMETER  PREMARY  TYPE  PREMARY  SECONDARY  TYPE  TYPE CODE (FROM APP A)  MANUFACTURER  MODEL MANUBER  PRESSURE DROP (IN. OF WATER)  BAGHOUSE ARRICLOTH RATIO (FPM)  WENTILATION AND BUILDING/AREA DATA  STACK DATA  ENCLOSED (YNIV)  WENTILATION AND BUILDING/AREA DATA  STACK DATA  ENCLOSED (YNIV)  GROWNE ELEVATION (FT)  JUTM X COORDINATE (MB)  PERCENT CAPTURE EFFICIENCY  STACK TYPE (SEE NOTE BELOW)  BUILDING/AREA WIGTH (FT)  STACK EXIT TEMPERATURE (DEC. FT)  BUILDING/AREA WIGTH (FT)  STACK EXIT TEMPERATURE (DEC. FT)  AIR POLLUTANT EMISSIONS  POLLUTANT  PARAMETER  PM-10  STACK EXIT TEMPERATURE (DEC. FT)  AIR POLLUTANT EMISSIONS  POLLUTANT  CAS NUMBER  EMISSION  PACTOR  (SEE BELOW)  EFFICIENCY  BUILDING/AREA WIGTH (FT)  STACK EXIT TEMPERATURE (DEC. FT)  AIR POLLUTANT EMISSIONS  POLLUTANT  CAS NUMBER  EMISSION  PACTOR  CONTROL  EMISSIONS  ALLOWABLE EMISSIONS  PACTOR  CONTROL  EMISSIONS  (LBSHR)  (TONSAYE)  REFERENCE  (LBSHR)  (LBSHR)  (TONSAYE)  REFERENCE  LEAD	PERCENT FUEL CONSUMPTION PER (	QUARTER	OPERATING SCH	EDULE			
DUNAUG	DEC-FEB		HOURS/DAY				
POLLUTION CONTROL EQUIPMENT  PARAMETER  PERMARY  TYPE  TYPE CODE (FROM APP. A)  MANACATURER  MODEL NUMBER  MODEL NUMBER  MODEL NUMBER  PERSSURE DROP (IN. OF WATER)  WEST SCRUBBER FLOW (GPM)  BAGHOUSE ARRICLOTH RATIO (FPM)  VENTILATION AND BUILDINGIAREA DATA  STACK DATA  ENCLOSED (YNI)?  GROUND ELEVATION (FT)  HODD TYPE (FROM APP. B)  UITM X COORDINATE (WM)  PERCENT CAPTURE EFFICIENCY  STACK EXIT HEIGHT FROM GROUND LEVEL (FT)  BUILDINGIAREA LENGTH (FT)  STACK EXIT DIAMETER (FT)  BUILDINGIAREA WIDTH (FT)  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  POLLUTANT  CAS NUMBER  EMISSION  FRATOR  GREE BELOW)  PERCENT  CAS NUMBER  EMISSION  FRATOR  GREE BELOW)  FRATOR  GREE BELOW  FRATOR  GREE BELOW)  FRATOR  GREE BELOW  GREE BELOW  GREE BELOW  GREE BELOW  GREE BELOW  GREE BELOW  GREE	MAR-MAY		DAY/WEEK				
POLLUTION CONTROL EQUIPMENT  PARAMETER  PRIMARY  SECONDARY  TYPE  TYPE  TYPE  MODEL NUMBER  PRESSURE DROP (IN OF WATER)  BAGHOUSE ARRICLOTH RATIO (FPM)  DEATH OF THE REPORT FLOW (OPM)  BAGHOUSE ARRICLOTH RATIO (FPM)  WE TS CRUBBER FLOW (OPM)  BAGHOUSE ARRICLOTH RATIO (FPM)  VENTILLATION AND BUILDING/AREA DATA  STACK DATA  ENCLOSED (Y/N)?  GROUND ELEVATION (FT)  HODD TYPE (FROM APP. B)  UTM X COORDINATE (M/N)  MINIMUM FLOW (ACFM)  UTM Y COORDINATE (M/N)  MINIMUM FLOW (ACFM)  BUILDING HEIGHT (FT)  STACK EXIT DIAMETER (FT)  BUILDING/AREA WIDTH (FT)  STACK EXIT DIAMETER (FT)  BUILDING/AR	JUN-AUG		WEEKS/YEAR				
PARAMETER	SEP-NOV						
TYPE  TYPE CODE (FROM APP. A)  MANUFACTURER  MODEL NUMBER  PRESSURE DROP (IN. OF WATER)  WET SCRUBBER FLOW (SPM)  BAGHOUSE AIRCLOTH RATIO (FPM)  VENTILATION AND BUILDING/AREA DATA STACK DATA  ENCLOSED (VN)P  HOOD TYPE (FROM APP. B)  UTM X COORDINATE (MJ)  MINIMUM FLOW (ACFIM)  UTM Y COORDINATE (MJ)  PERCENT CAPTURE EFFICIENCY  STACK TYPE (SEE NOTE BELOW)  BUILDING/AREA LENGTH (FT)  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  POLLUTANT CAS NUMBER  FACTOR (SEE BELOW)  PATOR (SEE BELOW)  PHA-10  NOX  VOC  LEAD  NOX  VOC  LEAD  NOTE: STACK TYPE (ALL INCOMPRED) OBL WESTLAN (COMPRED) OBLIGHED UND LINEAULUS BLIGHTURE.  STACK EXIT TEMPERATURE (DEG. F)  NOX  VOC  LEAD  NOX  NOX  VOC  LEAD  NOTE: STACK TYPE (DID DOWN/MARD: D21 VERTICAL (INCOMPRED) OBL VESTLAN (COMPRED) OBLIGHTURE.  STACK TYPE (SEE NOTE BELOW)  STACK EXIT TEMPERATURE (DEG. F)  ALLOWABLE EMISSIONS  (LBSHR)  (TONS/YR)  REFERENCE  REFERENCE  HAND (LBSHR)  (TONS/YR)  REFERENCE  REFERENCE  REFERENCE  REFERENCE  REFERENCE  REFERENCE  REFERENCE  RESIDENCE  STACK TYPE (DID DOWN/MARD: D21 VERTICAL (INCOMPRED)) OBL VESTLAN (COMPRED) OBLIGHTURE.  REFERENCE  REFERENCE  REFERENCE  REFERENCE  REFERENCE  REFERENCE  REFERENCE  REFERENCE  RESIDENCE  REFERENCE	POLLUTION CON	ITROL EQUIPMEN	NT				
MANUFACTURER  MODEL NUMBER  PRESSURE DROP (IN OF WATER)  WET SCRUBBER FLOW (GPM)  BAGHOUSE AIRICLOTH RATIO (FPM)  VENTILATION AND BUILDING/AREA DATA  STACK DATA  CROUND ELEVATION (FT)  HOOD TYPE (FROM APP. B)  UITM X COORDINATE (KM)  MINIMUM FLOW (ACFM)  UITM Y COORDINATE (KM)  PERCENT CAPTURE EFFICIENCY  BUILDING HEIGHT (FT)  STACK EXIT HEIGHT FROM GROUND LEVEL (FT)  BUILDING/AREA LENGTH (FT)  STACK EXIT DAMETER (FT)  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  POLLUTANT  CAS NUMBER  EMSSION  FACTOR  (SEE BELOW)  FEFICIENCY  EMISSIONS  (LBSHR)  (TONSY/R)  REFERENCE  PM  PM-10  SO2  CO  NOX  VOC  LEAD  MOTE:  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  ELEAD  NOTE:  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  ELEAD  NOTE:  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  ELEAD  NOTE:  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AN MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AND MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AND MERGING ALLOWABLE CONTROL  STACK TYPE-01) DOWNWARD: 02/VERTICAL (INNCOVEREED) AND MERCING TYPE-01/VERT		PRIMARY		SEC	CONDARY		
MODEL NUMBER PRESSURE DROP (IN OF WATER)  WET SCRUBBER FLOW (GPM)  BAGHOUSE ARRICLOTH RATIO (FPM)  VENTILATION AND BUILDING/AREA DATA STACK DATA  ENCLOSED (YNI)?  GROUND ELEVATION (FT)  UTM X COORDINATE (KM)  PERCENT CAPTURE EFFCIENCY  BUILDING HEIGHT (FT)  STACK EXIT HEIGHT FROM GROUND LEVEL (FT)  BUILDING/AREA LENGTH (FT)  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  POLLUTANT  CAS NUMBER  EMISSION  FACTOR (SEE BELOW)  FEFCIENCY  EMISSIONS  (LBSHR)  (LBSHR)  (TONSYR)  REFERENCE  PM  PM-10  SO2  CO  NOX  VOC  LEAD  STACK EXITE ALVERTICAL (INNCOMERED) (ALVERTICAL (INNCOMERED)) AND HEIGHT (COMERED) AND HEIGHT (MISSIONS)  RESTACK EXITED AND HEIGHT (MISSIONS)  REFERENCE  PM  PM-10  SO2  CO  NOX  VOC  LEAD  STACK EXITED AND HEIGHT (COMERED) AND HEIGHT (MISSIONS)  REFERENCE  LEAD  STACK EXITED AND HEIGHT (MISSIONS)  REFERENCE  PM  PM-10  SO2  CO  NOX  VOC  LEAD  STACK EXITED AND HEIGHT (MISSIONS)  REFERENCE  PM  STACK EXITED AND HEIGHT (MISSIONS)  REFERENCE  PM  STACK EXITED AND HEIGHT (MISSIONS)  RESTRICT (LBSHR)  (TONSYR)  REFERENCE  RESTRICT (MISSIONS)  REFERENCE  PM  STACK EXITED AND HEIGHT (MISSIONS)  REFERENCE  REFERENCE  PM  STACK EXITED AND HEIGHT (MISSIONS)  REFERENCE  REFERENCE  PM  STACK EXITED AND HEIGHT (MISSIONS)  REFERENCE  REFERENCE  STACK EXITED AND HEIGHT (MISSIONS)  REFERENCE  REFERENCE  REFERENCE  STACK EXITED AND HEIGHT (MISSIONS)  REFERENCE  REFERENCE  REFERENCE  STACK EXITED AND H	TYPE CODE (FROM APP. A)					]	
WET SCRUBBER FLOW (GPM)	MANUFACTURER						
NET SCRUBBER FLOW (GPM)	MODEL NUMBER						
VENTILATION AND BUILDING/AREA DATA	PRESSURE DROP (IN. OF WATER)					]	
VENTILATION AND BUILDING/AREA DATA	WET SCRUBBER FLOW (GPM)					]	
CONTROL	BAGHOUSE AIR/CLOTH RATIO (FPM)					]	
NOTE:   STACK TYPE - 01) DOWNWARD- 02) VERTICAL (INCOVERED) to All COMERDD to ALL COMERD)   COMERDD to ALL COMERD T	VENTILATION AN	D BUILDING/ARE	A DATA ST	FACK DATA			
MINIMUM FLOW (ACFM)	ENCLOSED (Y/N)?		GROUND ELEVAT	ION (FT)			
PERCENT CAPTURE EFFICIENCY  BUILDING HEIGHT (FT)  BUILDING/AREA LENGTH (FT)  BUILDING/AREA LENGTH (FT)  STACK EXIT DIAMETER (FT)  STACK EXIT DIAMETER (FT)  STACK EXIT GAS FLOWRATE (ACFM)  STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSION  POLLUTANT CAS NUMBER  EMISSION  FACTOR (SEE BELOW)  EFFICIENCY  (SEE BELOW)  EFFICIENCY  EMISSIONS  (LBS/HR)  (LBS/HR)  (TONS/YR)  REFERENCE  PM  PM-10  SO2  CO  NOX  VOC  LEAD  DOWNWARD: 023 VERTICAL (INNCOVERED): 031 VERTICAL (COVERED): 041 HARIZZANTAL OS BLICKTURE	HOOD TYPE (FROM APP. B)		UTM X COORDINA	TE (KM)			
BUILDING HEIGHT (FT)  BUILDING/AREA LENGTH (FT)  STACK EXIT DIAMETER (FT)  STACK EXIT GAS FLOWRATE (ACFM)  STACK EXIT GEG. F)  AIR POLLUTANT EMISSIONS  POLLUTANT  CAS NUMBER  EMISSION  PERCENT (SEE BELOW)  EFFICIENCY  EFFICIENCY  EMISSIONS  (LBS/HR)  (TONS/YR)  REFERENCE  CO  NOX  VOC  LEAD  NOTE:  STACK EXIT TEMPERATURE (DEG. F)  STACK EXIT TEMPERATURE (DEG. F)  STACK EXIT TEMPERATURE (DEG. F)  STACK EXIT GAS FLOWRATE (ACFM)  STACK EXIT GAS	MINIMUM FLOW (ACFM)		UTM Y COORDINA	TE (KM)			
BUILDING/AREA LENGTH (FT)  STACK EXIT DIAMETER (FT)  STACK EXIT DIAMETER (FT)  STACK EXIT GAS FLOWRATE (ACFM)  STACK EXIT TEMPERATURE (DEG. F)   AIR POLLUTANT EMISSIONS  POLLUTANT CAS NUMBER  EMISSION FACTOR CONTROL MEASURED EMISSIONS (LBS/HR) (TONS/YR) REFERENCE  PM  PM-10  SO2  CO  NOX  VOC  LEAD  NOTE: STACK EXIT DIAMETER (FT)  STACK EXIT DIAMETER (ACFM)  STACK EXIT DIAMETER (FT)  STACK EXIT DIAMETER (	PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)			
BUILDING/AREA WIDTH (FT)  STACK EXIT GAS FLOWRATE (ACFM) STACK EXIT TEMPERATURE (DEG. F)  AIR POLLUTANT EMISSIONS  POLLUTANT CAS NUMBER  EMISSION FACTOR (SEE BELOW) FOR CONTROL EFFICIENCY EMISSIONS (LBS/HR) (LBS/HR) (TONS/YR) REFERENCE  PM  PM-10  SO2  CO  NOX  VOC  LEAD  NOX  VOC  LEAD  NOTE: STACK TYPE - 011 DOWNWARD: 021 VERTICAL (UNCOVERED) 031 VERTICAL (COVERED) AND HORIZONT AL- 051 ELIQITIVE	BUILDING HEIGHT (FT)		STACK EXIT HEIG	HT FROM GROUND LEV	EL (FT)		
STACK EXIT TEMPERATURE (DEG. F)	BUILDING/AREA LENGTH (FT)		STACK EXIT DIAM	ETER (FT)			
AIR POLLUTANT EMISSION	BUILDING/AREA WIDTH (FT)		STACK EXIT GAS I	FLOWRATE (ACFM)			
POLLUTANT   CAS NUMBER			STACK EXIT TEMP	ERATURE (DEG. F)			
FACTOR (SEE BELOW)	AIR POLLUTANT	EMISSIONS					
PM	POLLUTANT CAS NUMBER	FACTOR	CONTROL	MEASURED EMISSIONS			
SO2  CO  NOX  VOC  LEAD  LEAD  LEAD  STACK TYPE - 01) DOWNWARD: 02) VERTICAL (INCOVERED): 03) VERTICAL (COVERED): 04) HORIZONTAL: 05) ELICITIVE	РМ						
CO	PM-10						
NOX  VOC  LEAD  LEAD  DEAD  DE	SO2						
VOC  LEAD  L	со						
LEAD	NOX						
NOTE: STACK TYPE - 01) DOWNWARD: 02) VERTICAL (UNCOVERED): 03) VERTICAL (COVERED): 04) HORIZONTAL: 05) ELICITIVE	voc						
NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE  FMISSION FACTOR IN LBS/LINITS. PLEASE USE SAME HOUR! V. UNITS CIVEN IN EUR DATA SECTION.	LEAD						
NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE  EMISSION FACTOR IN LBS/LINITS. PLEASE USE SAME HOUR! V. UNITS CIVEN IN EUR DATA SECTION.							
NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE  EMISSION FACTOR IN LBS/LINTS. PLEASE USE SAME HOUR! VINITS CIVEN IN EUR DATA SECTION.							
NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/LINES, PLEASE USE SAME HOURS VINITS ON EN IN EUR DATA SECTION.							
NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LIBS/LINES. PLEASE USE SAME HOURS VINITS GIVEN IN EUR DATA SECTION.							
NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE							
	NOTE: STACK TYPE - 01) DOWN EMISSION FACTOR IN LES	WARD; 02) VERTICAL (	UNCOVERED); 03) VE	ERTICAL (COVERED); 04	I) HORIZONTAL; 0	5) FUGITIVE	M

DEQ USE ONLY	····					ray <del>e</del> 4-1
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE		(
DEC BUILDING CODE		PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERAL	<del></del>					
PROCESS CODE OR DESCR	RIPTION					
STACK DESCRIPTION						
BUILDING DESCRIPTION						
MANUFACTURER		MODEL		DATE INSTALLED		
				DATE LAST MODIFIED		
INCINERATOR TYPE		RATE	D HEATING CAPACITY (I	MILLION BTU/HOUR)		
PRIMARY CO	MBUSTION CHAM	BER DATA				
WASTE RETENTION TIME		MINIMUM TEMPERATU	RE (DEG. F)	COMBUSTION AIR FEE	D RATE (ACFM)	
(MINUTES) BURNER TYPE		PERCENT OVERFIRE A	AIR	GAUGE PRESSURE (IN	. H20)	
		PERCENT UNDERFIRE	AIR		_	
PRIMARY CH	AMBER FUEL DAT	Ά		-		
PARAMETER	PRIMARY FUEL	UNITS	SECOND FUEL			(
FUEL CODE (SEE NOTE)		]				
PERCENT SULFUR		]				
PERCENT ASH		]				
PERCENT NITROGEN		]				
PERCENT CARBON		]				
PERCENT HYDROGEN		]				
PERCENT MOISTURE		]				
HEAT CONTENT (BTU/UNIT)					]	
MAXIMUM HOURLY COMBUSTION RATE (UNITS	S/HR)				]	
NORMAL ANNUAL COMBUSTION RATE (UNITS	S/YR)				]	
NOTE: INCINERATOR TYPE	ES - 01) SINGLE CHAMBER	R; 02) MULTIPLE HEARTH	; 03) ROTARY KILN; 04)	FLUIDIZED BED;		
	05) OTHER (SPECIFY)					
BURNER TYPE - 01	) AXIAL FIRING; 02) RADIA	L FIRING; 03) TANGENT!	AL FIRING;			
	04) OTHER (SPECIFY)					
FUEL CODES - 01)	NATURAL GAS; 02) #1 OR	#2 FUEL OIL; 03) #4 FUEI	L OIL; 04) #5 OR #6 FUE	EL OIL; 05) PROPANE		
	06) OTHER (SPECIFY)					(_

#### SECONDARY COMBUSTION CHAMBER DATA

COMBUSTION CHAMBER VOLUME (CUBIC FEET)		MINIMUM TEMPERATURE (DEG	3. F)	COMBUSTION AIR FEED RATE (SCFM)
GAUGE PRESSURE (INCHES WATER)		BURNER TYPE (1) AXIAL FIRING (2) RADIAL FIRING (3) TANGENTIAL FIRING (4) OTHER	•	
SECONDARY PRIMARY C	HAMBER FUEL DA	ΓΑ		<del></del>
PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				
NOTE: INCINERATOR TYPES - 01) SIN	GLE CHAMBER; 02) MULT	TIPLE HEARTH; 03) ROT	ARY KILN; 04) FLUIDIZED E	ED;
05) OTHER (SF	PECIFY)			
BURNER TYPE - 01) AXIAL FIRI	ING; 02) RADIAL FIRING; 0	3) TANGENTIAL FIRING;		
04) OTHER (SF				
FUEL CODES - 01) NATURAL G		L; 03) #4 FUEL OIL; 04) #	15 OR #6 FUEL OIL; 05) PRO	PANE
06) OTHER (SF	PECIFY)			
PRIMARY CHAMBER MON	ITORING AND COM	BUSTION CONTRO	DLS	
SECONDARY CHAMBER M	ONITORING AND C	OMBUSTION CON	TROLS	

#### WASTE CHARACTERIZATION AND COMBUSTION RATE

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
WASTE DESCRIPTION				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)			10 March 500	
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				
METHOD OF ASH DISPOSAL				
POTENTIAL HAP	S IN WASTES			
HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN WASTE FEED BY WEIGHT	FRACTION IN BOTTOM ASH BY WEIGHT	FRACTION IN FLY ASH BY WEIGHT
		<u> </u>		
				<del>                                     </del>
		<u> </u>		

# **SECTION 4, PART B - Not Applicable**

Tier II Page 4-4

OPERATING DAT	`A					0
PERCENT FUEL CONSUMPTION PER C	QUARTER	OPERATING SCH	EDULE			
DEC-FEB		HOURS/DAY				
MAR-MAY		DAY/WEEK				
JUN-AUG		WEEKS/YEAR				
SEP-NOV						
POLLUTION CON	TROL FOUIPMEN	JT				
PARAMETER TYPE	PRIMARY		SE	CONDARY		
TYPE CODE (FROM APP. A)						1
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTILATION AN	D BUILDING/ARE	A DATA ST	ACK DATA			
ENCLOSED (Y/N)?		GROUND ELEVATI				
HOOD TYPE (FROM APP. B)		UTM X COORDINA				
MINIMUM FLOW (ACFM)		UTM Y COORDINA				
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE				
BUILDING HEIGHT (FT)			IT FROM GROUND LEV	EL (FT)		
BUILDING/AREA LENGTH (FT)		STACK EXIT DIAME		( /		
BUILDING/AREA WIDTH (FT)		STACK EXIT GAS F				
		STACK EXIT TEMP				
AIR POLLUTANT I	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALL	OWADIE EMBON	ONE
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	OWABLE EMISSIO	REFERENCE
PM						
PM-10						
SO2						
СО						
NOX						
VOC						
LEAD						
NOTE: STACK TYPE - 01) DOWNV	VARD: 02) VERTICAL (I	INCOVERED): 031 VE	PTICAL /COVERED): AA	NODIZONEAL OF	ELIOTE CE	

DEQ USE ONLY							
DEQ PLANT ID CODE DEQ BUILDING CODE		DEQ PROCESS CODE PRIMARY SCC			DEQ STACK ID		
PART A: GENERAL IN	IFORMATION						
PROCESS CODE OR DESCR	IPTION	Tank 4 - Asphalt Cemen	ts				
STACK DESCRIPTION		Tank 4 - Pressure Relie	f Valve				
BUILDING DESCRIPTION		Tank 4					
DATE INSTALLED	1993	DATE LAST MODIFIED					
GENER	AL TANK AND M	ATERIAL HANDLIN	G DATA				
MATERIAL DESCRIPTION	Asphalt Cements		]				
TANK CAPACITY (GALLONS) *Note: Average annual throu TANK TYPE PLEASE CHOOSE FROM BEL (01) FIXED ROOF	ghput per tank for pro	ANNUAL THROUGHPU oduct storage group. Act		02, 03 OSE FROM	gher for Individu	al tanks in the storage	group.
(02) FLOATING ROOF (OR (03) VARIABLE VAPOR SPA (04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER	CE	1.10	(02) RAIL C/ (03) TANKT (04) SHIP B/ (05) OTHER	NR RUCK NRGE		·	
		IASE DEGREASING	DATA				
MANUFACTURER OF DEGREA		Not a Degreasing Agent (DEG. F)	NA		Please choose fro (01) Incineration	POR RECOVERY om below: n ed Liquid Scrubber ed Condenser sorption urn System	NA NA
ADDITIC	NAL MATERIAL	HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER (	OF IN-LINE	NUMBER OF S RELIEF VALVE	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		·		NUMBER OF S	AMPLING
MATERI	AL DATA						
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTIO IN MATERIAL BY WEIGHT	N
Benzene				71-43-2		Negligible	] ] ]  Cs (Tank4)

0050471110.04						Page 5-2
OPERATING DATE PERCENT FUEL CONSUMPTION PER (		OPERATING SCH	EDITE		•	
DEC-FEB 10	*OAKI EK	HOURS/DAY	24			
MAR-MAY 30						
		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION COM	NTROL EQUIPMEN	Т				
PARAMETER TYPE	PRIMARY None		SE No	CONDARY		
TYPE CODE (FROM APP, A)	TO/IO		<u> </u>			
MANUFACTURER			<u> </u>		· · · · · · · · · · · · · · · · · · ·	
MODEL NUMBER			<u> </u>			
			<u>                                     </u>			
PRESSURE DROP (IN. OF WATER)		_} ¬				
WET SCRUBBER FLOW (GPM)		<u>_</u>	<u> </u>			
BAGHOUSE AIR/CLOTH RATIO (FPM)		_	<u> </u>			
VENTILATION AN	ID BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	ION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	ATE (KM)		386.1505	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	ATE (KM)		4787.3375	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	NOTE BELOW)		03	
BUILDING HEIGHT (FT)	40.00	STACK EXIT HEIG	HT FROM GROUND LE	VEL (FT)	46	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM			0.5	
BUILDING/AREA WIDTH (FT)	30.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		380	
AIR POLLUTANT	EMISSIONS				B-M-2	
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALL	OWABLE EMISSIC	INS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
PM			(LBS/HR)	r		
PM-10						<u> </u>
					<u></u>	
SO2						
CO						L
NOX						
VOC	TANKS 4.0		4.25E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		1.36E-05			
			<u> </u>			

DEQ USE ONLY					
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID COE	DE
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
PART A: GENERAL II	NFORMATION				
PROCESS CODE OR DESCR	RIPTION	Tank 5 - Asphalt Cemen	ts		
STACK DESCRIPTION		Tank 5 - Pressure Relie	f Valve		
BUILDING DESCRIPTION		Tank 5			
DATE INSTALLED	1993	DATE LAST MODIFIED			
GENER	AL TANK AND M	ATERIAL HANDLIN	G DATA		
MATERIAL DESCRIPTION	Asphalt Cements		]		
TANK TYPE PLEASE CHOOSE FROM BEI	ghput per tank for pro	ANNUAL THROUGHPU <sup>*</sup> duct storage group. Act	ual throughpu SOURCE	2,276,938 * t may be higher for Individual ta 02,03  OSE FROM BELOW	nks in the storage group.
(01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SPA (04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER	CE		(01) PIPELIN (02) RAIL CA (03) TANK TANK TANK TANK TANK TANK TANK TANK	AR RUCK ARGE	
		ASE DEGREASING	DATA		
MANUFACTURER OF DEGRE		Not a Degreasing Agent		TANK SURFACE AR	EA (SQ. FT) NA
TEMPERATURE OF DEGREA	SING AGENT IN TANK	((DEG. F)	NA	METHOD OF VAPOR Please choose from b (01) Incineration (02) Refrigerated Li (03) Refrigerated Co (04) Carbon Adsorp (05) Vapor Return S (06) No Recovery S (07) Other	elow: quid Scrubber ondenser tion ystem
ADDITIO	NAL MATERIAL	HANDLING DATA			
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	NUMBER OF SAFETY RELIEF VALVES 1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS			NUMBER OF SAMPLING CONNECTIONS
MATERI	AL DATA				
HAP DESCRIPTION				HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene				71-43-2	Negligible
					5 - VOCs (Tank 5)

OPERATING DATA           PERCENT FUEL CONSUMPTION PER QUARTER         OPERATING SCHEDULE           DEC-FEB         10         HOURS/DAY         24           MAR-MAY         30         DAY/WEEK         7           JUN-AUG         40         WEEKS/YEAR         52           SEP-NOV         20           POLLUTION CONTROL EQUIPMENT	
DEC-FEB         10         HOURS/DAY         24           MAR-MAY         30         DAY/WEEK         7           JUN-AUG         40         WEEKS/YEAR         52           SEP-NOV         20	
MAR-MAY         30         DAY/WEEK         7           JUN-AUG         40         WEEKS/YEAR         52           SEP-NOV         20	
SEP-NOV 20	
POLLUTION CONTROL EQUIPMENT	
OLLOTTON CONTINUE LIQUIS MILITI	
PARAMETER         PRIMARY         SECONDARY           TYPE         None         None	
TYPE CODE (FROM APP. A)	
MANUFACTURER	
MODEL NUMBER	
PRESSURE DROP (IN. OF WATER)	
WET SCRUBBER FLOW (GPM)	
BAGHOUSE AIR/CLOTH RATIO (FPM)	
VENTILATION AND BUILDING/AREA DATA STACK DATA	
ENCLOSED (Y/N)?  N GROUND ELEVATION (FT)  4,504	
HOOD TYPE (FROM APP. B)  UTM X COORDINATE (KM)  386.1536	
MINIMUM FLOW (ACFM)  UTM Y COORDINATE (KM)  4787,3453	
PERCENT CAPTURE EFFICIENCY STACK TYPE (SEE NOTE BELOW) 03	
BUILDING HEIGHT (FT)  40.00 STACK EXIT HEIGHT FROM GROUND LEVEL (FT)  46	
BUILDING/AREA LENGTH (FT)  Cylindrical Tank  STACK EXIT DIAMETER (FT)  0.5	
BUILDING/AREA WIDTH (FT) 30.00 STACK EXIT GAS FLOWRATE (ACFM) Negligible	
STACK EXIT TEMPERATURE (DEG. F) 380	
AIR POLLUTANT EMISSIONS	
POLLUTANT CAS NUMBER EMISSION PERCENT ESTIMATED OR ALLOWABLE EMISSIONS FACTOR CONTROL MEASURED (SEE BELOW) EFFICIENCY EMISSIONS (LBS/HR) (TONS/YR) REFER	DENOE
(LBS/HR)	LINCE
PM	
PM-10	
SO2	
co	
NOX	
VOC TANKS 4.0 4.25E-02	
LEAD	
Benzene 71-43-2 TANKS 4.0 1.36E-05	

DEQ USE ONLY						(
DEQ PLANT ID CODE DEQ BUILDING CODE		DEQ PROCESS CODE		DEQ STACK ID C		
PART A: GENERAL IN	IFORMATION					
PROCESS CODE OR DESCR	RIPTION	Tank 6 - Asphalt Cemen	its			
STACK DESCRIPTION		Tank 6 - Pressure Relie	f Valve			
BUILDING DESCRIPTION		Tank 6				
DATE INSTALLED	1993	DATE LAST MODIFIED				
GENER	AL TANK AND W	IATERIAL HANDLIN	IG DATA			
MATERIAL DESCRIPTION	Asphalt Cements		]			
TANK CAPACITY (GALLONS) *Note: Average annual throu TANK TYPE		ANNUAL THROUGHPU oduct storage group. Act		2,276,938 * ay be higher for individual 02, 03	tanks in the storage group.	
PLEASE CHOOSE FROM BEI (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SPA (04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER	INTERNAL COVER) CE		PLEASE CHOOS (01) PIPELINE (02) RAIL CAR (03) TANK TRU (04) SHIP BARG (05) OTHER			(
ADDITIO	ONAL VAPOR PH	ASE DEGREASING	DATA			
MANUFACTURER OF DEGRE	EASING AGENT	Not a Degreasing Agent		TANK SURFACE A	AREA (SQ. FT) NA	
TEMPERATURE OF DEGREA	SING AGENT IN TANI	K (DEG. F)	NA NA	METHOD OF VAP- Please choose fror (01) Incineration (02) Refrigerated (03) Refrigerated (04) Carbon Adso (05) Vapor Return (06) No Recovery (07) Other	n below:    Liquid Scrubber     Condenser     Droption     n System	
ADDITIO	NAL MATERIAL	. HANDLING DATA				
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		UMBER OF IN-LINE	NUMBER OF SAFETY RELIEF VALVES 1	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING			NUMBER OF SAMPLING CONNECTIONS	
MATER	AL DATA					
HAP DESCRIPTION				AP CAS IUMBER	HAP FRACTION IN MATERIAL BY WEIGHT	
Benzene						,

02011011 0,17411 2						Page 5-6
OPERATING DA	TA					J
PERCENT FUEL CONSUMPTION PER	QUARTER	OPERATING SCH	EDULE			
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20			•			•
POLLUTION COI	NTROL EQUIPMEN	NT				
PARAMETER TYPE	PRIMARY None	·····	SE No	CONDARY		
TYPE CODE (FROM APP. A)	11000					J
MANUFACTURER					]	Ī
MODEL NUMBER						]
PRESSURE DROP (IN. OF WATER)						:
WET SCRUBBER FLOW (GPM)		7		*****		
BAGHOUSE AIR/CLOTH RATIO (FPM)		$\equiv$				
VENTIL ATION A	ND BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA			386.1573	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	TE (KM)		4787.3575	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		03	
BUILDING HEIGHT (FT)	40.00	STACK EXIT HEIG	HT FROM GROUND LE	VEL (FT)	46	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	30.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEMP	PERATURE (DEG. F)		380	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALI	LOWABLE EMISSI	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
РМ			(LBS/FIK)			
PM-10						
SO2						
со						
NOX						
VOC	TANKS 4.0		4.25E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		1.36E-05			

DEQ USE ONLY						(
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID COL	DE	•
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC		_
PART A: GENERAL IN	FORMATION					•
PROCESS CODE OR DESCR	RIPTION	Tank 7 - Asphalt Cemen	its			
STACK DESCRIPTION		Tank 7 - Pressure Relie	f Valve			
BUILDING DESCRIPTION		Tank 7				
DATE INSTALLED	1992	DATE LAST MODIFIED				
GENER	AL TANK AND M	ATERIAL HANDLIN	IG DATA			
MATERIAL DESCRIPTION	Asphalt Cements		]			
TANK CAPACITY (GALLONS) *Note: Average annual throu TANK TYPE  PLEASE CHOOSE FROM BEI (01) FIXED ROOF	ghput per tank for pro	ANNUAL THROUGHPU duct storage group. Act	tual throughput may	2, 03	nks in the storage group.	
(02) FLOATING ROOF (OR (03) VARIABLE VAPOR SPA (04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER	CE		(02) RAIL CAR (03) TANK TRUC (04) SHIP BARGI (05) OTHER			(
ADDITION MANUFACTURER OF DEGREE		ASE DEGREASING Not a Degreasing Agent	DATA	TANK ČUDEACE AD	FA (60 FT)	ł
TEMPERATURE OF DEGREA			NA NA	METHOD OF VAPOR Please choose from to (01) Incineration (02) Refrigerated Li (03) Refrigerated Co (04) Carbon Adsorp (05) Vapor Return S (06) No Recovery S (07) Other	R RECOVERY NA pelow:  Iquid Scrubber ondenser olton System	
ADDITIO	NAL MATERIAL	HANDLING DATA				
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		MBER OF IN-LINE VES	NUMBER OF SAFETY RELIEF VALVES 1	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS			NUMBER OF SAMPLING CONNECTIONS	i
MATERI	AL DATA					
HAP DESCRIPTION  Benzene				P CAS MBER 13-2	HAP FRACTION IN MATERIAL BY WEIGHT Negligible	(
					5 - VOCs (Tank 7)	

OPERATING DAT						Page 5-8
OPERATING DAT PERCENT FUEL CONSUMPTION PER C		OPERATING SCH	IEDULE			
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLILITION CON	ITDOL FOLUDIAFI	<b>-</b>				
PARAMETER PARAMETER	ITROL EQUIPMEN PRIMARY	1	SEC	ONDARY		
TYPE	None		None			
TYPE CODE (FROM APP. A)		]				
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)		]				
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTILATION AN	ID BUILDING/ARF	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	, ,		386.1663	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	•		4787.3329	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE			03	
BUILDING HEIGHT (FT)	40.00		HT FROM GROUND LEVE	L(FT)	46	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM		- (	0.5	
BUILDING/AREA WIDTH (FT)	42.00		FLOWRATE (ACFM)		Negligible	
. ,			PERATURE (DEG. F)		330	
AID DOLLLITAND			, ,			
AIR POLLUTANT		DED.03117				
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED		OWABLE EMISSIO	
	(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
РМ						
PM-10						
SO2						
CO						
NOX						
VOC	TANKS 4.0		1.26E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.04E-06			
NOTE: STACK TYPE - 01) DOWN EMISSION FACTOR IN LBS	WARD; 02) VERTICAL (1 S/UNITS. PLEASE USE S	JNCOVERED); 03) VE SAME HOURLY UNIT	ERTICAL (COVERED); 04) S GIVEN IN FUEL DATA SE	HORIZONTAL; 05) ECTION,	FUGITIVE	

DEQ USE ONLY								,
DEQ PLANT ID CODE		DEQ PROCESS CODE			DEQ STACK ID CO			
PART A: GENERA	L INFORMATION		· · · · · · · · · · · · · · · · · · ·			- 1		
PROCESS CODE OR DE	SCRIPTION	Tank 8 - Asphalt Cemer	nts					
STACK DESCRIPTION		Tank 8 - Pressure Relie	of Valve					
BUILDING DESCRIPTION	1	Tank 8						
DATE INSTALLED	1992	DATE LAST MODIFIED						
GEN	ERAL TANK AND	MATERIAL HANDLIN	IG DATA					
MATERIAL DESCRIPTION	N Asphalt Cements		]					
TANK CAPACITY (GALLO *Note: Average annual ti TANK TYPE	· •	ANNUAL THROUGHPU product storage group. Ac		2,276,938 may be hig 02, 03		anks in the storage	group.	
PLEASE CHOOSE FROM (01) FIXED ROOF (02) FLOATING ROOF ( (03) VARIABLE VAPOR (04) PRESSURE TANK (05) UNDERGROUND - (06) OTHER	OR INTERNAL COVER) SPACE		PLEASE CHOC (01) PIPELIN (02) RAIL CA (03) TANK TI (04) SHIP BA (05) OTHER	E R RUCK	BELOW		<b>_</b>	(
ADD	ITIONAL VAPOR F	HASE DEGREASING	DATA					
MANUFACTURER OF DE	GREASING AGENT	Not a Degreasing Agent			TANK SURFACE AR	EA (SQ. FT)	NA	
TEMPERATURE OF DEG	REASING AGENT IN TAI	NK (DEG. F)	NA NA		METHOD OF VAPOI Please choose from (01) Inclneration (02) Refrigerated L (03) Refrigerated C (04) Carbon Adsory (05) Vapor Return S (06) No Recovery S (07) Other	below: iquid Scrubber condenser otion System	NA NA	
ADDI	TIONAL MATERIA	L HANDLING DATA						
PHYSICAL STATE	Llquid	NUMBER OF PUMP SEALS		NUMBER C	OF IN-LINE	NUMBER OF SA RELIEF VALVES		
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING			-	NUMBER OF SA CONNECTIONS		
MATI	ERIAL DATA							
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	1	٠,
Benzene				1-43-2		Negligible		(
							]	
			_				]	
						5 - VO	Gs (Tank 8)	

						Page 5-10
OPERATING DAT PERCENT FUEL CONSUMPTION PER C		OPERATING SCH	EDITE			
DEC-FEB 10	TOAKTEK	HOURS/DAY	24			
		DAYWEEK	7			
		WEEKS/YEAR	52			
SEP-NOV 20						
	ITROL EQUIPMEN	NT .				
PARAMETER TYPE	PRIMARY None		SEC Non	CONDARY e		
TYPE CODE (FROM APP. A)			F			
MANUFACTURER					·	
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)					, 	
		<b></b>			•	
VENTILATION AN			TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA			386.1713	
MINIMUM FLOW (ACFM)		UTM Y COORDINA			4787.3496	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	·		03	
BUILDING HEIGHT (FT)	40.00		HT FROM GROUND LEV	EL (FT)	46	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM			0.5	
BUILDING/AREA WIDTH (FT)	42.00		FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEMP	PERATURE (DEG. F)		330	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR	ALI	LOWABLE EMISSION	ONS
	(SEE BELOW)	EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
РМ			(LBS/HK)			r
PM-10						
SO2						
СО						
NOX						
VOC	TANKS 4.0		1,26E-02			
LEAD	771110 1.0		1,202-02			
Benzene 71-43-2	TANKS 4.0		4.045.00			
[1 1-43-Z	TAINING 4.0		4.04E-06			
						L
			<u></u>			
NOTE: STACK TYPE - 01) DOWN	WARD: 02) VERTICAL /	LINCOVERED/- 037 //E	ERTICAL (COVERED): 04	\ HODIZONTAL : 05	A CHOTHE	
EMISSION FACTOR IN LB	3/UNITS. PLEASE USE	SAME HOURLY UNIT	S GIVEN IN FUEL DATA	SECTION.	71 UGIT14E	

DEQ USE ONLY								(
DEQ PLANT ID CODE DEQ BUILDING CODE		DEQ PROCESS CODE PRIMARY SCC			DEQ STACK ID CO	DE	 ] ]	
DART A. CENEDAL II	MEODIATION				· <del>* .</del>		<u> </u>	
PART A: GENERAL II	NFORMATION							
PROCESS CODE OR DESCI	RIPTION	Tank 9 - Asphalt Cemen	ts				l	
STACK DESCRIPTION		Tank 9 - Pressure Relle	f Valve				İ	
BUILDING DESCRIPTION		Tank 9						
DATE INSTALLED	1994	DATE LAST MODIFIED						
GENER	RAL TANK AND M	ATERIAL HANDLIN	G DATA					
MATERIAL DESCRIPTION	Asphalt Cements		]					
TANK CAPACITY (GALLONS *Note: Average annual throu TANK TYPE		ANNUAL THROUGHPU oduct storage group. Act		2,276,938 may be his		nks in the storage gr	oup.	
PLEASE CHOOSE FROM BE (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SP/ (04) PRESSURE TANK (05) UNDERGROUND - SP/ (06) OTHER	INTERNAL COVER) ACE		PLEASE CHOO (01) PIPELIN (02) RAIL CA (03) TANKTI (04) SHIP BA (05) OTHER	E R RUCK RGE	BELOW			(
ADDITIO	ONAL VAPOR PH	IASE DEGREASING	DATA					
MANUFACTURER OF DEGR	EASING AGENT	Not a Degreasing Agent			TANK SURFACE AR	EA (SQ. FT)	NA	
TEMPERATURE OF DEGREA	ASING AGENT IN TANK	((DEG. F)	NA NA		METHOD OF VAPOR Please choose from I (01) Incineration (02) Refrigerated Li (03) Refrigerated C (04) Carbon Adsor (05) Vapor Return S (06) No Recovery S (07) Other	pelow: iquid Scrubber ondenser stion System	NA	
ADDITIO	ONAL MATERIAL	HANDLING DATA						
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER (	OF IN-LINE	NUMBER OF SAFE RELIEF VALVES	1 1	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SAM CONNECTIONS	PLING	
MATER	IAL DATA							
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT		
Benzene			]	71-43-2	<b>l</b>	Negligible		(
			[					
			[			5 - VOC	e (Tank Q)	

ODEDATING DAT	- A					Page 5-12
OPERATING DAT PERCENT FUEL CONSUMPTION PER C		OPERATING SCI	HEDULE			
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION CON	ITROL EQUIPMEN	IT				
PARAMETER	PRIMARY		SEC	ONDARY		
TYPE	None		None	)		
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTILATION AN	D BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVA	TION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDIN	ATE (KM)		386.1781	
MINIMUM FLOW (ACFM)		UTM Y COORDIN	ATE (KM)		4787.3307	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	24.00	STACK EXIT HEIG	HT FROM GROUND LEVE	EL (FT)	28	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	METER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	18.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		380	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALI	OWABLE EMISSIO	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
РМ						
PM-10						
SO2						
co						
NOX						
voc	TANKS 4.0		3.20E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		1.02E-05			

DEQ USE ONLY								1
DEQ PLANT ID CODE DEQ BUILDING CODE		DEQ PROCESS CODE PRIMARY SCC			DEQ STACK ID COD	DE	]	
PART A: GENERAL IN	FORMATION							
PROCESS CODE OR DESCRI	PTION	Tank 10 - Asphalt Cemer	nts					
STACK DESCRIPTION		Tank 10 - Pressure Relle	of Valve				]	
BUILDING DESCRIPTION		Tank 10			80 W .			
DATE INSTALLED	1992	DATE LAST MODIFIED						
GENERA	AL TANK AND MA	ATERIAL HANDLIN	G DATA					
MATERIAL DESCRIPTION	Asphalt Cements		]					
TANK CAPACITY (GALLONS) *Note: Average annual throug TANK TYPE PLEASE CHOOSE FROM BELG (01) FIXED ROOF	01	ANNUAL THROUGHPUT	. ,	02, 03 OSE FROM	gher for individual tar	nks in the storage (	group.	
(02) FLOATING ROOF (OR II (03) VARIABLE VAPOR SPAC (04) PRESSURE TANK (05) UNDERGROUND - SPLA (06) OTHER	SH LOADING		(02) RAIL CA (03) TANK TI (04) SHIP BA (05) OTHER	R RUCK RGE			]	(
ADDITIO  MANUFACTURER OF DEGRE		ASE DEGREASING Not a Degreasing Agent	DATA		TANK SURFACE ARE	EA (SO ET)	NA I	
TEMPERATURE OF DEGREAS			NA NA		METHOD OF VAPOR Please choose from b (01) Incineration (02) Refrigerated Lic (03) Refrigerated Co (04) Carbon Adsorp (05) Vapor Return S (06) No Recovery S (07) Other	RECOVERY elow: quid Scrubber ondenser tion ystem	NA NA	
ADDITIO	NAL MATERIAL	HANDLING DATA						
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER O	OF IN-LINE	NUMBER OF SA RELIEF VALVES		
NUMBER OF DPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SA CONNECTIONS	MPLING	
MATERIA	AL DATA							
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	I	
Senzene				71-43-2		Negligible	] ] ] § (Tank 10)	

ADED LEW A DATE						Page 5-14
OPERATING DAT PERCENT FUEL CONSUMPTION PER C		OPERATING SCH	IEDI II E			
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAYWEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
PARAMETER POLLUTION CON	TROL EQUIPMEN PRIMARY	T	SEC	ONDARY		
TYPE	None		None			
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)					!	
BAGHOUSE AIR/CLOTH RATIO (FPM)					·	
VENTILATION AN	D BUILDING/ARE	A DATA G	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	• •		386.1880	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	,		4787.3444	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	•		03	
BUILDING HEIGHT (FT)	40.00		HT FROM GROUND LEVI	EL (FT)	46	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM		(* . )	0.5	
BUILDING/AREA WIDTH (FT)	42.00		FLOWRATE (ACFM)		Negligible	
			PERATURE (DEG. F)		330	
AIR POLLUTANT	EMICCIONO				<del></del>	
POLLUTANT CAS NUMBER	EMISSION	mmmorket	FOTH MATER OR		O	
TOLLOTANT GAS NOMBEN	FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS		OWABLE EMISSIO	
	(OLL DELOW)	LITTOILING I	(LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
CO						
NOX						
VOC	TANKS 4.0		1.26E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.04E-06			
NOTE: STACK TYPE - 01) DOWN\ EMISSION FACTOR IN LBS	VARD; 02) VERTICAL (L //UNITS. PLEASE USE S	INCOVERED); 03) VE SAME HOURLY UNIT:	ERTICAL (COVERED); 04) S GIVEN IN FUEL DATA S	HORIZONTAL; 05) ECTION.	FUGITIVE	

DEQ USE ONLY							
DEQ PLANT ID CODE		DEQ PROCESS CODE	= [	]	DEQ STACK ID CO	DDE	
DEQ BUILDING CODE		PRIMARY SCC		]	SECONDARY SCO		
PART A: GENERAL	INFORMATION						
PROCESS CODE OR DESC	CRIPTION	Tank 13 - Asphalt Cem	ents				
STACK DESCRIPTION		Tank 13 - Pressure Re	llef Valve				
BUILDING DESCRIPTION		Tank 13					
DATE INSTALLED	1993	DATE LAST MODIFIED					
GENE	RAL TANK AND	MATERIAL HANDLI	NG DATA				
MATERIAL DESCRIPTION	Asphalt Cements						
TANK CAPACITY (GALLON *Note: Average annual thro		ANNUAL THROUGHPE product storage group. Ac		2,276,938 t may be hi		anks in the storage	group.
PLEASE CHOOSE FROM B (01) FIXED ROOF (02) FLOATING ROOF (0 (03) VARIABLE VAPOR SI (04) PRESSURE TANK (05) UNDERGROUND - S (06) OTHER	R INTERNAL COVER) PACE		PLEASE CHO (01) PIPELIN (02) RAIL CA (03) TANK TI (04) SHIP BA (05) OTHER	NE AR RUCK ARGE	I BELOW		
		PHASE DEGREASING					
MANUFACTURER OF DEG		Not a Degreasing Agent	!		TANK SURFACE A	REA (SQ, FT)	NA
TEMPERATURE OF DEGRI	EASING AGENT IN TAI	NK (DEG. F)	NA .		METHOD OF VAPO Please choose from (01) Incineration (02) Refrigerated I (03) Refrigerated I (04) Carbon Adsor (05) Vapor Return (06) No Recovery (07) Other	below: Liquid Scrubber Condenser rption System	NA NA
ADDIT	IONAL MATERIA	L HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER O	OF IN-LINE	NUMBER OF SARELIEF VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING	G			NUMBER OF SA	
MATE	RIAL DATA						
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTIOI IN MATERIAL BY WEIGHT	N
Benzene				71-43-2		Negligible	]
-							
							]
						5 - VOC	] s (Tank 13)

OPERATING DAT	FA					rage 0-10
PERCENT FUEL CONSUMPTION PER C		OPERATING SCH	(EDULE			
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION CON	ITROL EQUIPMEN	T				
PARAMETER TYPE	PRIMARY None		SEC None	ONDARY		
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTILATION AN	D BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDIN			386.0885	
MINIMUM FLOW (ACFM)		UTM Y COORDIN	ATE (KM)		4787.3819	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	40.00	STACK EXIT HEIG	HT FROM GROUND LEVE	L (FT)	46	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	60.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		330	
AIR POLLUTANT	FMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	Al I	LOWABLE EMISSIO	วพร
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
СО						
NOX						
VOC	TANKS 4.0		1.35E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.32E-06			
NOTE: STACK TYPE - 01) DOWN EMISSION FACTOR IN LBS	WARD; 02) VERTICAL (L 3/UNITS. PLEASE USE !	JNCOVERED); 03) VI SAME HOURLY UNIT	ERTICAL (COVERED); 04) S GIVEN IN FUEL DATA S	HORIZONTAL; 05 ECTION.	) FUGITIVE	

DEQ USE ONLY							
DEQ PLANT ID CODE DEQ BUILDING CODE		DEQ PROCESS CODE		]	DEQ STACK ID CO		
			. !		- CECONDARY COC	<u> </u>	
PART A: GENERAL I	NFORMATION						
PROCESS CODE OR DESC	RIPTION	Tank 14 - Asphalt Ceme	ents				
STACK DESCRIPTION		Tank 14 - Pressure Rell	lef Valve				
BUILDING DESCRIPTION		Tank 14					
DATE INSTALLED	1993	DATE LAST MODIFIED		l			
GENE	RAL TANK AND N	ATERIAL HANDLIN	IG DATA				
MATERIAL DESCRIPTION	Asphalt Cements		]				
TANK CAPACITY (GALLONS *Note: Average annual thro TANK TYPE		ANNUAL THROUGHPU roduct storage group. Act		2,276,938 t may be hi		anks in the storage	group.
PLEASE CHOOSE FROM BE (01) FIXED ROOF (02) FLOATING ROOF (OF (03) VARIABLE VAPOR SP (04) PRESSURE TANK (05) UNDERGROUND - SF (08) OTHER	RINTERNAL COVER) ACE		PLEASE CHO (01) PIPELIN (02) RAIL CA (03) TANK 1 (04) SHIP BA (05) OTHER	NE AR RUCK ARGE	# BELOW		
		HASE DEGREASING	DATA				-
MANUFACTURER OF DEGF		Not a Degreasing Agent			TANK SURFACE A	REA (SQ. FT)	NA
TEMPERATURE OF DEGRE	ASING AGENT IN TAN	IK (DEG. F)	NA NA		METHOD OF VAPO Please choose from (01) Incineration (02) Refrigerated ( (03) Refrigerated ( (04) Carbon Adsor (05) Vapor Return (06) No Recovery (07) Other	betow: Liquid Scrubber Condenser option System	NA NA
ADDITI	ONAL MATERIAI	L HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER O	OF IN-LINE	NUMBER OF SA	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SA CONNECTIONS	
MATER	RIAL DATA						
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	١
Benzene				71-43-2		Negligible	
				<u></u>		5 - VOC	.] Ss (Tank 14\

SECTION 5, PART B						Tier Page 5-1
OPERATING DA						rage o-r
PERCENT FUEL CONSUMPTION PER	QUARTER	OPERATING SCI				
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
	NTROL EQUIPME	NT				
PARAMETER TYPE	PRIMARY None		SE <sup>(</sup>	CONDARY		
TYPE CODE (FROM APP. A)			1144		7	
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN, OF WATER)			<u> </u>		7	
WET SCRUBBER FLOW (GPM)		$\exists$	 	·	<u></u>	
BAGHOUSE AIR/CLOTH RATIO (FPM)		=			<u>-</u> ]	
VENTILATION A	ND BUILDING/ARI	— Ea data s	TACK DATA	,	-	
ENCLOSED (Y/N)?	N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDIN			386.0769	
MINIMUM FLOW (ACFM)		UTM Y COORDIN	ATE (KM)		4787.3602	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	40.00	STACK EXIT HEIG	HT FROM GROUND LEV	/EL (FT)	46	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	IETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	60.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		330	
AIR POLLUTANT	'EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	Al	LOWABLE EMISSI	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
СО						
NOX						
VOC	TANKS 4.0		1.35E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.32E-06			

DEQ USE ONLY							
DEQ PLANT ID CODE		DEQ PROCESS CODE		] DI	EQ STACK ID CODE	: [	
DEQ BUILDING CODE		PRIMARY SCC		] SE	ECONDARY SCC		
PART A: GENERAL IN	FORMATION			•			
PROCESS CODE OR DESCRI	PTION	Tank 15 - Asphalt Ceme	nts				
STACK DESCRIPTION		Tank 15 - Pressure Reli	ef Valve				
BUILDING DESCRIPTION		Tank 15					
DATE INSTALLED	1993	DATE LAST MODIFIED		]			
GENERA	AL TANK AND M	ATERIAL HANDLIN	G DATA				
MATERIAL DESCRIPTION	Asphalt Cements						
TANK CAPACITY (GALLONS) *Note: Average annual throug TANK TYPE		ANNUAL THROUGHPU duct storage group. Act	, ,	2,276,938 * t may be highe	r for Individual tani	ks in the storage gr	oup.
PLEASE CHOOSE FROM BEL (01) FIXED ROOF (02) FLOATING ROOF (OR I (03) VARIABLE VAPOR SPAI (04) PRESSURE TANK (05) UNDERGROUND - SPLI (06) OTHER	NTERNAL COVER) CE		PLEASE CHO (01) PIPELII (02) RAIL C (03) TANK I (04) SHIP B (05) OTHER	AR FRUCK A <u>RGE</u>	LOW		
ADDITION MANUFACTURER OF DEGREE		ASE DEGREASING Not a Degreasing Agent	DATA	i <sub>TA</sub>	INK SURFACE AREA	A (SO ET)	NA ]
TEMPERATURE OF DEGREAS			NA NA	ME Ple (C (C (C (C (C	THOD OF VAPOR Rease choose from belot) Incineration 22) Refrigerated Liqu 33) Refrigerated Con 44) Carbon Adsorptic 45) Vapor Return Sys 66) No Recovery Sys 67) Other	RECOVERY [ low: uld Scrubber adenser on stem	NA NA
ADDITIO	NAL MATERIAL	HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF VALVES	IN-LINE	NUMBER OF SAFI RELIEF VALVES	TY 1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SAM CONNECTIONS	PLING
MATERIA	AL DATA						
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	
Benzene				71-43-2		Negligible	

	<b></b>					Page 5-20
OPERATING DATE PERCENT FUEL CONSUMPTION PER		OPERATING SCH	HEDULF			
DEC-FEB 10	4,07,8 (1 L) (	HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION COL	NITON FOUNDMEN	I <b>T</b>				
POLLUTION COT	NTROL EQUIPMEN	11		DNDADY		
TYPE	PRIMARY None		None	ONDARY		
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)					•	
VENTILATION A	ND BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVA			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM) 386.0				
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM) 4787.3537				
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW) 03				
BUILDING HEIGHT (FT)	40.00 STACK EXIT HEIGHT FROM GROUND LEVEL (FT) 46					
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	Cylindrical Tank STACK EXIT DIAMETER (FT) 0.5				
BUILDING/AREA WIDTH (FT)	60.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		330	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALL	OWABLE EMISSION	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
CO						
NOX						
VOC	TANKS 4.0		1.35E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		4,32E-06			

DEQ USE ONLY			
DEQ PLANT ID CODE	DEQ PROCESS CODE		DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC		SECONDARY SCC
PART A: GENERAL INFORMATION			
PROCESS CODE OR DESCRIPTION	Tank 16 - Asphalt Cements		
STACK DESCRIPTION	Tank 16 - Pressure Relief	√alve	
BUILDING DESCRIPTION	Tank 16		
DATE INSTALLED 1993	DATE LAST MODIFIED		
GENERAL TANK AND M	ATERIAL HANDLING	DATA	
MATERIAL DESCRIPTION Asphalt Cements			
TANK CAPACITY (GALLONS) 635,418 *Note: Average annual throughput per tank for pro TANK TYPE 01  PLEASE CHOOSE FROM BELOW (01) FIXED ROOF (02) FLOATING ROOF (OR INTERNAL COVER) (03) VARIABLE VAPOR SPACE	S P (	throughput may be hig OURCE 02, 03 LEASE CHOOSE FROM 01) PIPELINE 02) RAIL CAR 03) TANK TRUCK	her for Individual tanks in the storage group.
(04) PRESSURE TANK (05) UNDERGROUND - SPLASH LOADING (06) OTHER		(04) SHIP BARGE (05) OTHER	
ADDITIONAL VAPOR PH MANUFACTURER OF DEGREASING AGENT	Not a Degreasing Agent	1	TANK OURS AREA (OO ST)
TEMPERATURE OF DEGREASING AGENT IN TANK		NA I	METHOD OF VAPOR RECOVERY Please choose from below: (01) Incineration (02) Refrigerated Liquid Scrubber (03) Refrigerated Condenser (04) Carbon Adsorption (05) Vapor Return System (06) No Recovery System (07) Other
ADDITIONAL MATERIAL	HANDLING DATA		
PHYSICAL STATE Liquid  NUMBER OF  OPEN-ENDED LINES	NUMBER OF PUMP SEALS  NUMBER OF SAMPLING  CONNECTIONS	NUMBER O VALVES	RELIEF VALVES 1  NUMBER OF SAMPLING CONNECTIONS
MATERIAL DATA			
HAP DESCRIPTION  Benzene		HAP CAS NUMBER 71-43-2	HAP FRACTION IN MATERIAL BY WEIGHT  Negligible

SECTION 5, PART B						Tier I Page 5-22
OPERATING DAT		000047110				
PERCENT FUEL CONSUMPTION PER C	JUARTER	OPERATING SCHI				
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
	TROL EQUIPMEN	Т				
PARAMETER TYPE	PRIMARY None		SE( Nor	CONDARY 10		
TYPE CODE (FROM APP. A)					]	
MANUFACTURER			F			
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)					1	
WET SCRUBBER FLOW (GPM)					<u>-</u> ]	
BAGHOUSE AIR/CLOTH RATIO (FPM)					]	
VENTILATION AN	ND BUILDING/ARE	A DATA ST	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. 8)		UTM X COORDINA	TE (KM)		386.1085	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	TE (KM)		4787.3765	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		03	
BUILDING HEIGHT (FT)	40.00	STACK EXIT HEIG	HT FROM GROUND LEV	/EL (FT)	46	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	52.00	STACK EXIT GAS	FLOWRATE (ACFM)	•	Negligible	
•		STACK EXIT TEMP	PERATURE (DEG. F)		330	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	AL	LOWABLE EMISSI	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM	<u> </u>		(LBS/HK)		1	· · · · · · · · · · · · · · · · · · ·
PM-10						
SO2				[		
CO						
NOX				<u> </u>		
voc	TANKS 4.0		1.31E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.18E-06			
			<u></u>			

TANK CAPACITY (GALLONS)  845,970  ANNUAL THROUGHPUT (GALLONS)  Note: Average annual throughput per tank for product storage group.  Actual throughput may be higher for individual tanks in the storage group.  SOURCE  92,93  PLEASE CHOOSE FROM BELOW  (01) PRESD ROOF  (02) PLEASE CHOOSE FROM BELOW  (03) PLEASE CHOOSE FROM BELOW  (04) PRESSURE TANK  (04) PRESSURE TANK  (05) UNDERROUND - SPLASH LOADING  (08) OTHER  ADDITIONAL VAPOR PHASE DEGREASING DATA  MANUFACTURER OF DEGREASING AGENT IN TANK (DEG. F)  NA  METHOD OF VAPOR RECOVERY  (101) Indireation  (102) Refigerated Liquid Scrubber  (103) Refigerated Condenser  (104) Carbon Adaption  (105) Vapor Return System  (107) Other  ADDITIONAL MATERIAL HANDLING DATA  NUMBER OF NUMBER OF IN-LINE NUMBER OF SAFETY  PHYSICAL STATE  Liquid PUMP SEALS  NUMBER OF NUMBER OF IN-LINE NUMBER OF SAMPLING  OPEN-ENDED LINES  NUMBER OF NUMBER OF SAMPLING  OPEN-ENDED LINES  NUMBER OF NUMBER OF SAMPLING  OPEN-ENDED LINES  NUMBER OF SAMPLING  ONNECTIONS	DEQ USE ONLY					
PART A: GENERAL INFORMATION PROCESS CODE OR DESCRIPTION  Tank 17 - Apphale Cements  TANK DESCRIPTION  Tank 17 - Pressure Relief Visible  GENERAL TANK AND MATERIAL HANDLING DATA  MATERIAL DESCRIPTION  Apphale Cements  TANK CAPACITY (GALLONS)  8.65.270  ANNUAL THROUGHPUT (GALLONS)  2.778.383  TANK CAPACITY (GALLONS)  8.65.270  ANNUAL THROUGHPUT (GALLONS)  PLEASE CHOOSE FROM BELOW  (01) PRESCRIPTION  ADDITIONAL VAPOR PHASE DEGREASING DATA  MANUFACTURER OF DEGREASING AGENT IN TANK (DEG. F)  MANUFACTURER OF DEGREASING AGENT IN TANK (DEG. F)  ADDITIONAL VAPOR PHASE DEGREASING DATA  MANUFACTURER OF DEGREASING AGENT IN TANK (DEG. F)  NA  METIOD OF WAPOR RECOVERY  (02) PRESCRIPTION  ADDITIONAL MATERIAL HANDLING DATA  NUMBER OF NUMBER OF SAMPLING  (07) Other  ADDITIONAL MATERIAL HANDLING DATA  NUMBER OF NUMBER OF SAMPLING  (07) Other  MATERIAL DATA  HAP CAS  NUMBER OF NUMBER OF SAMPLING  CONNECTIONS  MATERIAL DATA  HAP CAS  NUMBER OF NUMBER OF SAMPLING  CONNECTIONS  MATERIAL DATA  HAP CAS  NUMBER OF NUMBER OF SAMPLING  CONNECTIONS  MATERIAL DATA  HAP DESCRIPTION  HAP CAS  NUMBER OF NUMBER OF SAMPLING  CONNECTIONS  MATERIAL DATA  HAP DESCRIPTION  HAP CAS  NUMBER OF NUMBER OF SAMPLING  CONNECTIONS  MATERIAL DATA  HAP DESCRIPTION  HAP CAS  NUMBER OF NUMBER OF SAMPLING  CONNECTIONS  PLASS OF NUMBER OF SAMPLING  CONNECTIONS  MATERIAL DATA  HAP DESCRIPTION  HAP CAS  NUMBER OF NUMBER OF SAMPLING  CONNECTIONS  MATERIAL DATA  HAP DESCRIPTION  HAP CAS  NUMBER OF NUMBER OF SAMPLING  CONNECTIONS  PLASS OF NUMBER OF SAMPLING  CONNECTIONS  PLASS OF NUMBER OF SAMPLING  CONNECTIONS  PLASS OF NUMBER OF SAMPLING  CONNECTIONS  MATERIAL DATA  HAP DESCRIPTION  HAP CAS  NUMBER OF NUMBER OF SAMPLING  CONNECTIONS  PLASS OF NUMBER OF SAMPLING  C	DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID C	CODE
PROCESS CODE OR DESCRIPTION  Tank 17 - Pressure Relef Valve  BURLDING DESCRIPTION  GENERAL TANK AND MATERIAL HANDLING DATA  MATERIAL DESCRIPTION  Asphall Cements  TANK CAPACITY (GALLONS)  855,970  ANNUAL THROUGHPUT (GALLONS)  856,970  ANNUAL THROUGHPUT (GALLONS)  856,970  ANNUAL THROUGHPUT (GALLONS)  976,938  PLEASE CHOOSE FROM BELOW  ((01) FIRELINE  ((01) SHIP BARISE  ((04) SHIP BARISE  ((05) TANK TRUCK  ((04) SHIP BARISE  ((05) TANK TRUCK  ((04) SHIP BARISE  ((05) TANK TRUCK  ((04) SHIP BARISE  ((04) SHIP BARISE  ((05) TANK TRUCK  ((04)	DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SO	cc
STACK DESCRIPTION    Tank 17 - Pressure Relef Valve	PART A: GENERAL IN	FORMATION				·
BUILDING DESCRIPTION  Tank 17  DATE INSTALLED  1983  DATE LAST MODIFIED  GENERAL TANK AND MATERIAL HANDLING DATA  MATERIAL DESCRIPTION  Asphalt Caments  TANK CAPACITY (GALLONS)  2.278,938  Note: Average annual throughput per tent for product storage group. Actual throughput may be higher for individual tanks in the storage group.  TANK TYPE  11  SOURCE  12, 03  PLEASE CHOOSE FROM BELOW  (01) FIPELINE  (02) FLACING ROOF (OR INTERNAL COVER)  (03) VARIABLE VAPOR SPACE  (04) FIRESURE TANK  (05) UNDERGROUND. SPLASH LOADING  (05) OTHER  ADDITIONAL VAPOR PHASE DEGREASING DATA  MANUFACTURER OF DEGREASING AGENT  TO BE GREASING AGENT  TO BE AGENT AGE	PROCESS CODE OR DESCRI	PTION	Tank 17 - Asphalt Ceme	ņts		
DATE INSTALLED  1983 DATE LAST MODIFIED  GENERAL TANK AND MATERIAL HANDLING DATA  MATERIAL DESCRIPTION  Asphalt Cements  TANK CAPACITY (GALLONS)  8-55,070  ANNUAL THROUGHPUT (GALLONS)  2.276,938 *  Note: Average annual throughput per tain for product storage group. Actual throughput may be higher for individual tanks in the storage group.  TANK TYPE  01  SOURCE  02,03  PLASS CHOOSE FROM BELOW  (01) PRELINE  (02) FLAST FROM BELOW  (03) VARIABLE VAPOR \$9ACE  (03) TANK TRUCK  (04) PRESSURE TANK  (05) UNDERGROUND - SPLASH LOADING  (05) OTHER  ADDITIONAL VAPOR PHASE DEGREASING DATA  MANUFACTURER OF DEGREASING AGENT  TANK SURFACE AREA (SO, FT)  NA  METHOD OF VAPOR RECOVERY  Please choose from below:  (10) Interestion  (10) Vapor Return System   STACK DESCRIPTION		Tank 17 - Pressure Reli	ef Valve			
GENERAL TANK AND MATERIAL HANDLING DATA  MATERIAL DESCRIPTION  Asphalt Coments  TANK CAPACITY (GALLONS)	BUILDING DESCRIPTION		Tank 17			
MATERIAL DESCRIPTION Asphalt Cements  TANK CAPACITY (GALLONS) 845,970 ANNUAL THROUGHPUT (GALLONS) 2,276,838]*  *Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.  TANK TYPE 01 SOURCE 02,03  PLEASE CHOOSE FROM BELOW (01) PRED ROOF (02) FLOATING ROOF (OR INTERNAL COVER) (03) VARIABLE VAPOR SPACE (03) TANK TRUCK (04) PRESSURE TANK (04) SHIP BARGE (05) UNDERGROUND - SPLASH LOADING (05) OTHER  ADDITIONAL VAPOR PHASE DEGREASING DATA  MANUFACTURER OF DEGREASING AGENT IN TANK (DEG. F)  MA METHOD OF VAPOR RECOVERY NA Please choose from below: (07) Indirection (07) Specimen of the below: (08) OTHER  ADDITIONAL MATERIAL HANDLING DATA  NUMBER OF NUMBER OF NUMBER OF NUMBER OF SAMPLING (05) VAPOR RECOVERY Specimen (07) Other  ADDITIONAL MATERIAL HANDLING DATA  NUMBER OF NUMBER OF NUMBER OF SAMPLING (07) Other RELIEF VALVES 1  NUMBER OF NUMBER OF SAMPLING CONNECTIONS  MATERIAL DATA  HAP DESCRIPTION HAP FRACTON NUMBER OF SAMPLING OPEN-ENDED LINES CONNECTIONS  TANK CAPACITY (GALLONS) 2,276,838]  AND HERD OF SAMPLING OPEN-ENDED LINES CONNECTIONS  TANK TYPE O1  AND HELDOW (1) Piching Series (1) SOURCE (1) Piching NUMBER OF SAMPLING OPEN-ENDED LINES CONNECTIONS  TANK TYPE O1  TANK TYPE O1  TANK TYPE O1  TANK TRUCK (10) PICHING TO INDIVIDUAL TANK IN TANK (DEG. F)  NUMBER OF SAMPLING CONNECTIONS  TANK TRUCK (10) PICHING TO INDIVIDUAL TANK IN TANK (DEG. F)  NUMBER OF SAMPLING CONNECTIONS  MATERIAL DATA  HAP DESCRIPTION  HAP FRACTON NUMBER OF SAMPLING ONNECTIONS  TANK TRUCK (10) PICHING TO INDIVIDUAL TANK IN TANK (DEG. F)  TANK TRUCK (10) PICHING TO INDIVIDUAL TANK IN TANK (DEG. F)  TANK TURE TO INDIVIDUAL TANK IN	DATE INSTALLED	1993	DATE LAST MODIFIED		l	
TANK CAPACITY (GALLONS)  845.970  ANNUAL THROUGHPUT (GALLONS)  2276.938]  **Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.  TANK TYPE  91  SOURCE  92.03  PLEASE CHOOSE FROM BELOW  (01) PRED ROOF  (02) PLOATING ROOF (OR INTERNAL COVER)  (03) VARIABLE VAPOR SPACE  (04) PRESSURS ETANK  (05) UNDERGROUND - SPLASH LOADING  (06) OTHER  ADDITIONAL VAPOR PHASE DEGREASING DATA  MANUFACTURER OF DEGREASING AGENT IN TANK (DEG. F)  NA  METHOD OF VAPOR RECOVERY  (10) Indirection  (10) Refrigerated Liquid Scrubber  (10) Refrigerated Liquid Scrubber  (10) Refrigerated Condenser  (10) Carbon Adsorption  (10) Vapor Return System  (10) Vapor System System  (10) Vapor System System  (10) Vapor System System  (10)	GENERA	AL TANK AND M	ATERIAL HANDLIN	IG DATA		
Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.  SOURCE 02,03	MATERIAL DESCRIPTION	Asphalt Cements		]		
(01) FIRED ROOF (02) FLOATING ROOF (OR INTERNAL COVER) (02) FLOATING ROOF (OR INTERNAL COVER) (03) VARIABLE VAPOR SPACE (04) PRESSURE TANK (05) UNDERGROUND - SPLASH LOADING (05) OTHER  ADDITIONAL VAPOR PHASE DEGREASING DATA  MANUFACTURER OF DEGREASING AGENT NOT ANK (DEG. F)  NA  METHOD OF VAPOR RECOVERY NA Please choose from below: (07) Vapor Recovery NA Please Choose from below: (08) NO Recovery NA Please Choose from below: (09) Vapor Recovery NA Please Choose from below: (07) Vapor Recovery NA Please Choose from below: (07) Vapor Recovery NA Please Choose from below: (07) Vapor Recovery NA Please Choose from below: (08) NA Please Choose from below: (09) Vapor Recovery NA Please Choose from below: (07) Vapor Reco	TANK TYPE	hput per tank for pro		ual throughput SOURCE	t may be higher for individua	l tanks in the storage group.
MANUFACTURER OF DEGREASING AGENT Not a Degreasing Agent TANK SURFACE AREA (SQ. FT) NA  TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) NA  METHOD OF VAPOR RECOVERY Please choose from below: (01) Incineration (02) Refrigerated Liquid Scrubber (03) Refrigerated Condenser (04) Carbon Adsorption (05) Vapor Return System (06) No Recovery System (07) Other  ADDITIONAL MATERIAL HANDLING DATA  NUMBER OF NUMBER OF IN-LINE NUMBER OF SAFETY PHYSICAL STATE Liquid PUMP SEALS VALVES RELIEF VALVES 1  NUMBER OF NUMBER OF SAMPLING CONNECTIONS  MATERIAL DATA  HAP DESCRIPTION  HAP CAS HAP FRACTION IN MATERIAL BY WEIGHT  Beinzene 71-43-2 Negligible  TANK SURFACE AREA (SQ. FT) NA  METHOD OF VAPOR RECOVERY NA  Please choose from below: (01) Incineration (02) Refrigerated Liquid Scrubber (03) Refrigerated Liquid Scrubber (04) Carbon Adsorption (05) Refrigerated Liquid Scrubber (06) No Recovery System (07) Other  WIMBER OF IN-LINE NUMBER OF SAMPLING CONNECTIONS  NUMBER OF SAMPLING CONNECTIONS  NUMBER OF SAMPLING CONNECTIONS  MATERIAL DATA  HAP CAS HAP FRACTION IN MATERIAL BY WEIGHT  FINAL BY WEIGHT	(01) FIXED ROOF (02) FLOATING ROOF (OR II (03) VARIABLE VAPOR SPAC (04) PRESSURE TANK (05) UNDERGROUND - SPLA	NTERNAL COVER) CE		(01) PIPELIN (02) RAIL CA (03) TANK T (04) SHIP BA	NE AR "RUCK ARGE	
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)  NA  METHOD OF VAPOR RECOVERY Please choose from below: (01) Inclineration (02) Refrigerated Liquid Scrubber (03) Refrigerated Condenser (04) Carbon Adsorption (05) Vapor Return System (06) No Recovery System (07) Other   ADDITIONAL MATERIAL HANDLING DATA  NUMBER OF NUMBER OF IN-LINE PHYSICAL STATE  Liquid  NUMBER OF SAMPLING OPEN-ENDED LINES  NUMBER OF SAMPLING CONNECTIONS  NUMBER OF SAMPLING CONNECTIONS  MATERIAL DATA  HAP DESCRIPTION  HAP CAS NUMBER HAP FRACTION IN MATERIAL BY WEIGHT  Benzene  71-43-2  Negligible				DATA		· · · · · · · · · · · · · · · · · · ·
NUMBER OF NUMBER OF NUMBER OF IN-LINE NUMBER OF SAFETY PHYSICAL STATE Liquid PUMP SEALS VALVES NUMBER OF SAFETY NUMBER OF NUMBER OF SAMPLING OPEN-ENDED LINES CONNECTIONS  MATERIAL DATA  HAP CAS NUMBER IN MATERIAL BY WEIGHT  Benzene 71-43-2 Negligible  T1-43-2 Negligible				NA	METHOD OF VAR Please choose fro (01) Incineration (02) Refrigerated (03) Refrigerated (04) Carbon Ads (05) Vapor Retul (06) No Recover	POR RECOVERY NA NA de Liquid Scrubber de Condenser sorption rn System
PHYSICAL STATE  Liquid  PUMP SEALS  VALVES  RELIEF VALVES  1  NUMBER OF SAMPLING  CONNECTIONS  NUMBER OF SAMPLING  CONNECTIONS  MATERIAL DATA  HAP CAS  NUMBER  HAP FRACTION  IN MATERIAL  BY WEIGHT  Benzene  71-43-2  Negligible	ADDITIO	NAL MATERIAL	HANDLING DATA			
MATERIAL DATA  HAP CAS NUMBER IN MATERIAL BY WEIGHT  Benzene 71-43-2 Negligible	PHYSICAL STATE	Liquid				· · · · · · · · · · · · · · · · · · ·
HAP DESCRIPTION  HAP CAS NUMBER  IN MATERIAL BY WEIGHT  Benzene  71-43-2  Negligible	NUMBER OF OPEN-ENDED LINES					
NUMBER IN MATERIAL BY WEIGHT  Benzene 71-43-2 Negligible	MATERIA	AL DATA				
	HAP DESCRIPTION					IN MATERIAL
	Benzene				71-43-2	Negligible
5 - VOCs (Tank 17)						5 - VOCs (Tank 17)

						Page 5-24
OPERATING DAT						
PERCENT FUEL CONSUMPTION PER C	UARTER	OPERATING SCH	<del> </del>			
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION CON	TROL EQUIPMEN	т				
PARAMETER TYPE	PRIMARY None		SEC Non	ONDARY		
TYPE CODE (FROM APP. A)			<u> </u>		]	
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)					]	
WET SCRUBBER FLOW (GPM)		i			]	
BAGHOUSE AIR/CLOTH RATIO (FPM)		<u> </u>			}	
VENTILATION AN	ID BUILDING/ARE		TACK DATA		•	
ENCLOSED (Y/N)?	N N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA			386.1206	
MINIMUM FLOW (ACFM)		UTM Y COORDINA			4787.3472	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE			03	
BUILDING HEIGHT (FT)	40.00		HT FROM GROUND LEV	EL (FT)	46	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0,5	
BUILDING/AREA WIDTH (FT)	60.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEMP	PERATURE (DEG. F)		330	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	AL	LOWABLE EMISSI	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
РМ						
PM-10						
SO2						
со						
NOX						
voc	TANKS 4.0		1.35E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.32E-06			
				<u> </u>		

DEQ USE ONLY						(
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CO	DE	<del>(4,100,100,100,100,100,100,100,100,100,10</del>
DEQ BUILDING CODE		PRIMARY SCC	<u>L</u>	SECONDARY SCC		
PART A: GENERAL	INFORMATION					
PROCESS CODE OR DESC	RIPTION	Tank 18 - Asphalt Ceme	ints			
STACK DESCRIPTION		Tank 18 - Pressure Rei	lef Valve			
BUILDING DESCRIPTION		Tank 18				
DATE INSTALLED	1993	DATE LAST MODIFIED				
GENE	RAL TANK AND N	ATERIAL HANDLIN	IG DATA			
MATERIAL DESCRIPTION	Asphalt Cements		]			
TANK CAPACITY (GALLON: *Note: Average annual thro TANK TYPE		ANNUAL THROUGHPU roduct storage group. Act	tual throughput may i	5,938 * ne higher for individual ta 03	anks in the storage group.	
PLEASE CHOOSE FROM BI (01) FIXED ROOF (02) FLOATING ROOF (OF (03) VARIABLE VAPOR SF (04) PRESSURE TANK (05) UNDERGROUND - SF (06) OTHER	R INTERNAL COVER) PACE		PLEASE CHOOSE F (01) PIPELINE (02) RAIL CAR (03) TANK TRUCK (04) SHIP BARGE (05) OTHER			
		HASE DEGREASING	DATA			
MANUFACTURER OF DEGRE		Not a Degreasing Agent K (DEG. F)	NA .	METHOD OF VAPOR Please choose from (01) Incineration (02) Refrigerated L (03) Refrigerated C (04) Carbon Adsor (05) Vapor Return S (06) No Recovery S (07) Other	R RECOVERY NA below:  Iquid Scrubber condenser otton System	
ADDITI	ONAL MATERIAL	HANDLING DATA				
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS	NUME VALV	BER OF IN-LINE	NUMBER OF SAFETY RELIEF VALVES	1
NUMBER OF DPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS			NUMBER OF SAMPLING CONNECTIONS	
MATER	RIAL DATA					
HAP DESCRIPTION			HAP ( NUM		HAP FRACTION IN MATERIAL BY WEIGHT	
3enzene			71-43-	2	Negligible	
			<b>L</b>		5 - VOCs (Tank	18)

SECTION 5, PART B						Page 5-26
OPERATING DAT	ГА					·
PERCENT FUEL CONSUMPTION PER (	JUARTER	OPERATING SCH				
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION CON	NTROL EQUIPMEN	NT				
PARAMETER	PRIMARY			CONDARY		
TYPE	None		[No	ine	<u></u>	
TYPE CODE (FROM APP. A)			<u></u>		]	
MANUFACTURER			<u> </u>			
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)		_			]	
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)					]	
VENTILATION AN	ND BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVA	ΓΙΟΝ (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDIN	ATE (KM)		386.1289	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	ATE (KM)		4787.3703	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	40.00	STACK EXIT HEIG	SHT FROM GROUND LE	VEL (FT)	46	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM			0.5	
BUILDING/AREA WIDTH (FT)	52.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		330	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER		DEDAENT	FOTH LATED OD	••		
FOLLOTAINT CAS NOWIDER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS	AL. (LBS/HR)	LOWABLE EMISSION (TONS/YR)	NS REFERENCE
РМ		<del>"                                    </del>	(LBS/HR)			
PM-10				I		
SO2						
СО	<u></u>					
NOX						
VOC	TANKS 4.0		1.31E-02			<u> </u>
LEAD	17/4/10 4/0		1,31E-02			
	TANKA ( )					
Benzene	TANKS 4.0		4.18E-06			

DEQ USE ONLY								(
DEQ PLANT ID CODE		DEQ PROCESS CODE			DEQ STACK ID C	ODE		
DEQ BUILDING CODE		PRIMARY SCC			SECONDARY SC	c	]	
PART A: GENERAL	INFORMATION							
PROCESS CODE OR DES	CRIPTION	Tank 35 - Asphalt Ceme	ents					
STACK DESCRIPTION		Tank 35 - Pressure Rel	lief Valve				_	
BUILDING DESCRIPTION		Tank 35						
DATE INSTALLED	1995	DATE LAST MODIFIED						
GENE	RAL TANK AND I	MATERIAL HANDLIN	IG DATA					
MATERIAL DESCRIPTION	Asphalt Cements		]					
TANK CAPACITY (GALLON*Note: Average annual throtank TYPE  PLEASE CHOOSE FROM E (01) FIXED ROOF (02) FLOATING ROOF (O (03) VARIABLE VAPOR S (04) PRESSURE TANK (05) UNDERGROUND - S (06) OTHER  ADDIT  MANUFACTURER OF DEG	OUGHPUT POT TANK FOR P  O1  O1  RINTERNAL COVER) PACE PLASH LOADING  TONAL VAPOR P	ANNUAL THROUGHPU product storage group. Act  HASE DEGREASING  Not a Degreasing Agent	tual throughput in SOURCE PLEASE CHOO (01) PIPELINE (02) RAIL CAR (03) TANK TR (04) SHIP BAR (05) OTHER	02, 03 SE FROM UCK RGE	gher for individual	***	group.	<i>(</i>
TEMPERATURE OF DEGRI	EASING AGENT IN TAN	IK (DEG. F)	NA		METHOD OF VAPO Please choose from (01) Incineration (02) Refrigerated (03) Refrigerated (04) Carbon Adso (05) Vapor Return (06) No Recovery (07) Other	n below; Liquid Scrubber Condenser rption System	NA	<u></u>
ADDIT	IONAL MATERIA	L HANDLING DATA						
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		IUMBER C	OF IN-LINE	NUMBER OF SA RELIEF VALVES		1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SA CONNECTIONS		J
MATE	RIAL DATA							
HAP DESCRIPTION  Benzene			<b>N</b>	IAP CAS IUMBER		HAP FRACTION IN MATERIAL BY WEIGHT Negligible	ı 7	ſ
							] ] ] § (Tank 35	\.

						Page 5-28	
OPERATING DAT  PERCENT FUEL CONSUMPTION PER C		OPERATING SOUR	:DUI E				
DEC-FEB 10	ROARTER	OPERATING SCHE					
MAR-MAY 30		DAY/WEEK	24 				
JUN-AUG 40							
SEP-NOV 20	÷	WEEKS/YEAR	52				
3LF-110V							
POLLUTION CON		<b>1</b> T					
PARAMETER TYPE	PRIMARY None		Nor	CONDARY			
TYPE CODE (FROM APP. A)							
MANUFACTURER							
MODEL NUMBER							
PRESSURE DROP (IN. OF WATER)							
WET SCRUBBER FLOW (GPM)							
BAGHOUSE AIR/CLOTH RATIO (FPM)							
VENTILATION AN	ID BUILDING/ARE	A DATA ST	ACK DATA				
ENCLOSED (Y/N)?	N	GROUND ELEVATI			4,504		
HOOD TYPE (FROM APP. B)		UTM X COORDINA	TE (KM)		386.2927		
MINIMUM FLOW (ACFM)	UTM Y COORDINATE (KM) 4787.2924						
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		03		
BUILDING HEIGHT (FT)	40.00	STACK EXIT HEIGH	IT FROM GROUND LEV	/EL (FT)	47		
BUILDING/AREA LENGTH (FT)	Cylindrical Tank						
BUILDING/AREA WIDTH (FT)	100.00	STACK EXIT GAS F	LOWRATE (ACFM)		Negligible		
		STACK EXIT TEMP	ERATURE (DEG. F)		330		
AIR POLLUTANT	FMISSIONS						
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALI	LOWABLE EMISSION	ONS	
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE	
			(LBS/HR)	(	(14114)	112121102	
PM							
PM-10							
SO2							
CO		<u></u>					
NOX							
VOC	TANKS 4.0		1.68E-02				
LEAD							
Benzene 71-43-2	TANKS 4.0		5.37E-06				
NOTE: STACK TYPE - 01) DOWN EMISSION FACTOR IN LB	WARD; 02) VERTICAL S/UNITS. PLEASE USE	(UNCOVERED); 03) VE SAME HOURLY UNITS	RTICAL (COVERED); 04 GIVEN IN FUEL DATA	I) HORIZONTAL; 05 SECTION,	) FUGITIVE		

DEQ USE ONLY							
DEQ PLANT ID CODE		DEQ PROCESS CODE		]	DEQ STACK ID COD	DE	
DEQ BUILDING CODE		PRIMARY SCC			SECONDARY SCC		
PART A: GENERAL IN	FORMATION						
PROCESS CODE OR DESCR	RIPTION	Tank 36 - Asphalt Ceme	nts				]
STACK DESCRIPTION		Tank 36 - Pressure Reli	ef Valve				
BUILDING DESCRIPTION		Tank 36					
DATE INSTALLED	Oct 1998	DATE LAST MODIFIED		]			
GENER	AL TANK AND M	ATERIAL HANDLIN	G DATA				
MATERIAL DESCRIPTION	Asphalt Cements		]				
TANK CAPACITY (GALLONS *Note: Average annual throu TANK TYPE		ANNUAL THROUGHPU duct storage group. Act	• ,	2,276,938 t may be his		nks in the storage	group.
PLEASE CHOOSE FROM BEI (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SPA (04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER	INTERNAL COVER) INCE		PLEASE CHC (01) PIPELII (02) RAIL C (03) TANK 1 (04) SHIP B (05) OTHER	NE AR IRUCK ARGE	BELOW		]
ADDITIO	ONAL VAPOR PH	ASE DEGREASING	DATA				
MANUFACTURER OF DEGRE	EASING AGENT	Not a Degreasing Agent		•	TANK SURFACE ARE	EA (SQ. FT)	NA NA
TEMPERATURE OF DEGREA	ISING AGENT IN TANK	((DEG. F)	NA NA		METHOD OF VAPOR Please choose from b (01) Incineration (02) Refrigerated Lic (03) Refrigerated Co (04) Carbon Adsorp (05) Vapor Return S (06) No Recovery S (07) Other	elow: quid Scrubber ondenser tion system	NA NA
ADDITIO	NAL MATERIAL	HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER (	OF IN-LINE	NUMBER OF SA RELIEF VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SA CONNECTIONS	
MATERI	AL DATA						
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	1
Benzene				71-43-2		Negligible	]
							]
						5 - VOC	S (Tank 36)

SECTION 5, PART B		Tier Page 5-3
OPERATING DATA PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	•
DEC-FEB 10	HOURS/DAY 24	
MAR-MAY 30	DAY/WEEK 7	
JUN-AUG 40	WEEKS/YEAR 52	
SEP-NOV 20		
POLLUTION CONTROL EQUIPM	IENT	
PARAMETER PRIMARY TYPE None	SECONDARY None	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		
VENTILATION AND BUILDING/A	REA DATA STACK DATA	
ENCLOSED (Y/N)?	GROUND ELEVATION (FT)	4,504
HOOD TYPE (FROM APP. B)	UTM X COORDINATE (KM)	386.2688
MINIMUM FLOW (ACFM)	UTM Y COORDINATE (KM)	4787.2799
PERCENT CAPTURE EFFICIENCY	STACK TYPE (SEE NOTE BELOW)	03
BUILDING HEIGHT (FT) 50.00	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	57
BUILDING/AREA LENGTH (FT) Cylindrical Tank	STACK EXIT DIAMETER (FT)	0.5
BUILDING/AREA WIDTH (FT) 75.00	STACK EXIT GAS FLOWRATE (ACFM)	Negligible
	STACK EXIT TEMPERATURE (DEG. F)	330
AIR POLLUTANT EMISSIONS		
POLLUTANT CAS NUMBER EMISSION FACTOR (SEE BELOW)	PERCENT ESTIMATED OR CONTROL MEASURED EFFICIENCY EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (TONS/YR) REFERENC
PM		
PM-10		
SO2		
co ·		
NOX		
VOC TANKS 4.0	1.50E-02	
LEAD		

4.81E-06

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

TANKS 4.0

DEQ USE ONLY	<del>-</del>							(
DEQ PLANT ID CODE		DEQ PROCESS CODE		]	DEQ STACK ID C	ODE		
DEQ BUILDING CODE		PRIMARY SCC		]	SECONDARY SC	с		
PART A: GENERAL I	NFORMATION	•						
PROCESS CODE OR DESC	RIPTION	Tank 37 - Asphalt Ceme	ints					
STACK DESCRIPTION		Tank 37 - Pressure Rel	lef Valve					
BUILDING DESCRIPTION		Tank 37						
DATE INSTALLED	Oct 1998	DATE LAST MODIFIED		]				
GENER	RAL TANK AND M	IATERIAL HANDLIN	IG DATA					
MATERIAL DESCRIPTION	Asphalt Cements		]					
TANK CAPACITY (GALLONS *Note: Average annual thro TANK TYPE		ANNUAL THROUGHPU oduct storage group. Act		2,276,938 t may be hi		tanks in the storage	group.	
PLEASE CHOOSE FROM BE (01) FIXED ROOF (02) FLOATING ROOF (OF (03) VARIABLE VAPOR SP (04) PRESSURE TANK (05) UNDERGROUND - SP (06) OTHER	RINTERNAL COVER) ACE		PLEASE CHO (01) PIPELII (02) RAIL C. (03) TANK 1 (04) SHIP B. (05) OTHER	NE AR FRUCK ARGE	I BELOW			(
		IASE DEGREASING	DATA	•				
MANUFACTURER OF DEGR	EASING AGENT	Not a Degreasing Agent			TANK SURFACE	AREA (SQ. FT)	NA NA	
TEMPERATURE OF DEGRE	ASING AGENT IN TANI	((DEG. F)	NA		METHOD OF VAP Please choose from (01) Inclneration (02) Refrigerated (03) Refrigerated (04) Carbon Ads (05) Vapor Retur (06) No Recover (07) Other	m below: I Liquid Scrubber I Condenser orption n System	NA NA	
ADDITI	ONAL MATERIAL	HANDLING DATA						
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER (	OF IN-LINE	NUMBER OF S		
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SA		
MATER	IAL DATA							
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	N	
Benzene				71-43-2		Negligible		(
								*
					•			
						5-700	's (Tank 37)	

OLOTION 3, PART B						Page 5-3
OPERATING DA						
PERCENT FUEL CONSUMPTION PER	QUARTER	OPERATING SCH				
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION CO	NTROL EQUIPME	NT				
PARAMETER TYPE	PRIMARY None		SE No	CONDARY		1
TYPE CODE (FROM APP. A)	Hono			110		1
MANUFACTURER						1
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						,
WET SCRUBBER FLOW (GPM)					I	
BAGHOUSE AIR/CLOTH RATIO (FPM)					i	
VENTILATION A	ND BUILDING/ARE	EA DATA S'	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	ION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	ATE (KM)		386.2951	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	ATE (KM)		4787.2807	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		03	
BUILDING HEIGHT (FT)	50.00	STACK EXIT HEIG	HT FROM GROUND LEV	VEL (FT)	57	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	75.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		330	
AIR POLLUTAN	T EMISSIONS					-
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALL	OWABLE EMISSI	ONS
	(SEE BELOW)	EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
CO						
NOX						
voc	TANKS 4.0		1.50E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.81E-06			
				<u></u>		
	<b></b>			L	L	

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

DEQ USE ONLY							
DEQ PLANT ID CODE		DEQ PROCESS CODE		]	DEQ STACK ID COI	DE	]
DEQ BUILDING CODE		PRIMARY SCC		]	SECONDARY SCC		J
PART A: GENERAL IN	IFORMATION					THE STATE OF THE S	
PROCESS CODE OR DESCR	RIPTION	Tank 38 - Asphalt Ceme	nts				]
STACK DESCRIPTION		Tank 38 - Pressure Rell	ef Valve				]
BUILDING DESCRIPTION		Tank 38					]
DATE INSTALLED	Oct 1999	DATE LAST MODIFIED		]			
GENER	AL TANK AND M	ATERIAL HANDLIN	G DATA				
MATERIAL DESCRIPTION	Asphalt Cements		]				
TANK CAPACITY (GALLONS) *Note: Average annual throu TANK TYPE		ANNUAL THROUGHPU duct storage group. Act	T (GALLONS) ual throughpu SOURCE	2,276,938 t may be hig 02, 03	]* gher for individual ta ]	nks in the storage g	roup.
PLEASE CHOOSE FROM BEL (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SPA (04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER	INTERNAL COVER) CE		PLEASE CHO (01) PIPELIN (02) RAIL C, (03) TANK 1 (04) SHIP B, (05) OTHER	NE AR FRUCK A <u>RGE</u>	BELOW		]
		ASE DEGREASING	DATA	ı			<u></u>
MANUFACTURER OF DEGRE		Not a Degreasing Agent		1	TANK SURFACE ARI	EA (SQ, FT)	NA NA
TEMPERATURE OF DEGREA	SING AGENT IN TANK	(DEG. F)	<u>NA</u>		METHOD OF VAPOR Please choose from to (01) Incineration (02) Refrigerated Lik (03) Refrigerated Co (04) Carbon Adsorp (05) Vapor Return S (06) No Recovery S (07) Other	elow: quid Scrubber ondenser tion ystem	NA NA
ADDITIO	NAL MATERIAL	HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER O	OF IN-LINE	NUMBER OF SAF RELIEF VALVES	ETY
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SAM	#PLING
MATERIA	AL DATA						
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	
Benzene				71-43-2		Negligible	
							I
			;			5 - VOCs	(Tank 38)
							, VO/

						Page 5-34
OPERATING DAT PERCENT FUEL CONSUMPTION PER Q		ODEDATING SOL	EDIN E			
DEC-FEB 10	WARTER	OPERATING SCH HOURS/DAY	24			
,			<del></del>			
		DAYWEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION CON PARAMETER	TROL EQUIPMEN	Т	SEC	ONDARY		
TYPE	None		Non	e		
TYPE CODE (FROM APP. A)					]	
MANUFACTURER			<u></u>			
MODEL NUMBER	·					
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)					]	
VENTILATION AN	D BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	ION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	ATE (KM)		386.3214	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	ATE (KM)		4787.281	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	40.00	STACK EXIT HEIG	HT FROM GROUND LEV	EL (FT)	47	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	100.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		330	
AID DOLLUTANT	EMICOLONIC					
AIR POLLUTANT		DEDOCALT	F07#447FD 00			0.110
POLLUTANT CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	LOWABLE EMISSI (TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
co						
NOX						
voc	TANKS 4.0		1.68E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		5.37E-06			
1,1-10-2	171110 4.0					
						<u> </u>

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

DEQ USE ONLY								(
DEQ PLANT ID CODE		DEQ PROCESS CODE			DEQ STACK ID CO	DE	]	
PART A: GENERAL II	NFORMATION							
PROCESS CODE OR DESCR	RIPTION	Tank 74 - Asphalt Ceme	nts				]	
STACK DESCRIPTION		Tank 74 - Pressure Rell	of Valve				- ]	
BUILDING DESCRIPTION		Tank 74	<u></u>				]	
DATE INSTALLED	March 1999	DATE LAST MODIFIED						
GENER	AL TANK AND M	IATERIAL HANDLIN	G DATA					
MATERIAL DESCRIPTION	Asphalt Cements		]					
TANK CAPACITY (GALLONS *Note: Average annual throu TANK TYPE	·	ANNUAL THROUGHPU oduct storage group. Act		2,276,938 may be hig 02, 03		inks in the storage gi	roup.	
PLEASE CHOOSE FROM BEI (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SPA (04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER	INTERNAL COVER) ACE		PLEASE CHOO (01) PIPELIN (02) RAIL CA (03) TANK TI (04) SHIP BA (05) OTHER	E R RUCK RGE	BELOW		I	(**
ADDITIO	ONAL VAPOR PH	IASE DEGREASING	DATA					
MANUFACTURER OF DEGRE	EASING AGENT	Not a Degreasing Agent			TANK SURFACE AR	EA (SQ. FT)	NA	
TEMPERATURE OF DEGREA	SING AGENT IN TANK	((DEG. F)	NA NA		METHOD OF VAPOR Please choose from I (01) Incineration (02) Refrigerated Li (03) Refrigerated C (04) Carbon Adsor (05) Vapor Return S (06) No Recovery S (07) Other	below: iquid Scrubber ondenser otlon System	NA NA	
ADDITIO	NAL MATERIAL	HANDLING DATA						
PHYSICAL STATE	Llquid	NUMBER OF PUMP SEALS		NUMBER C	OF IN-LINE	NUMBER OF SAF RELIEF VALVES	ETY 1	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		-		NUMBER OF SAM CONNECTIONS	PLING	
MATERI	AL DATA							
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT		
Benzene			[	71-43-2		Negligible		
			[					*1
			[					
			l				(Tank 74)	

						Page 5-36
OPERATING DATE OPERCENT FUEL CONSUMPTION PER C		OPERATING SCH	IEDI II E			
DEC-FEB 10	207411211	HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION COM	ITROL EQUIPME	NT				
PARAMETER	PRIMARY		SEC	CONDARY		
TYPE	None		Nor	10		
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTILATION AN	D BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	ION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	ATE (KM)		386.1091	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	ATE (KM)		4787.3302	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	NOTE BELOW)		03	
BUILDING HEIGHT (FT)	32.00	STACK EXIT HEIG	HT FROM GROUND LEV	EL (FT)	33	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	34.50	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		380	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALI	OWABLE EMISSIO	NS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
co						
NOX						
VOC	TANKS 4.0		4.26E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		1.36E-05			
NOTE: STACK TYPE - 01) DOWN EMISSION FACTOR IN LBS	WARD; 02) VERTICAL ( S/UNITS. PLEASE USE	(UNCOVERED); 03) VE SAME HOURLY UNIT:	RTICAL (COVERED); 04 GIVEN IN FUEL DATA S	) HORIZONTAL; 05) SECTION.	FUGITIVE	

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CO	DDE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC		
PART A: GENERAL I	NFORMATION					
PROCESS CODE OR DESC	RIPTION	Tank 75 - Asphalt Ceme	nts			
STACK DESCRIPTION		Tank 75 - Pressure Rell	ef Valve			
BUILDING DESCRIPTION		Tank 75				
DATE INSTALLED	March 1999	DATE LAST MODIFIED				
GENER	AL TANK AND M	IATERIAL HANDLIN	IG DATA			
MATERIAL DESCRIPTION	Asphalt Cements		]			
TANK CAPACITY (GALLONS *Note: Average annual throut TANK TYPE		ANNUAL THROUGHPU oduct storage group. Act		2,276,938 * may be higher for individual to 02, 03	anks in the storage group.	
PLEASE CHOOSE FROM BE (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SP/ (04) PRESSURE TANK (05) UNDERGROUND - SP/ (06) OTHER	INTERNAL COVER) ACE		PLEASE CHOO (01) PIPELINE (02) RAIL CAI (03) TANK TF (04) SHIP BAI (05) OTHER	R RUCK		·
•		IASE DEGREASING	DATA			
MANUFACTURER OF DEGR		Not a Degreasing Agent		TANK SURFACE AF	· · · · · · · · · · · · · · · · · · ·	
TEMPERATURE OF DEGREA	ASING AGENT IN TANK	((DEG. F)	NA J	METHOD OF VAPO Please choose from (01) Incineration (02) Refrigerated L (03) Refrigerated C (04) Carbon Adsor (05) Vapor Return (06) No Recovery S (07) Other	below: .iquid Scrubber Condenser ption System	<u> </u>
ADDITIO	ONAL MATERIAL	HANDLING DATA				
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	NUMBER OF SAFETY RELIEF VALVES	1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS			NUMBER OF SAMPLING CONNECTIONS	
MATER	AL DATA					
HAP DESCRIPTION				HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT	
Benzene			[7	71-43-2	Negligible	
			L			
			L.		5 - VOCs (Tank	(75)

	Page 5-38
OPERATING DATA	
PERCENT FUEL CONSUMPTION PER QUARTER OPERATING SCHEDULE  DEC-FEB 10 HOURS/DAY 24	
MAR-MAY         30         DAY/WEEK         7           JUN-AUG         40         WEEKS/YEAR         52	
SEP-NOV 20	
POLLUTION CONTROL EQUIPMENT	
PARAMETER PRIMARY SECONDARY	
TYPE None None	
TYPE CODE (FROM APP. A)	
MANUFACTURER	
MODEL NUMBER	
PRESSURE DROP (IN. OF WATER)	
WET SCRUBBER FLOW (GPM)	
BAGHOUSE AIR/CLOTH RATIO (FPM)	
VENTILATION AND BUILDING/AREA DATA STACK DATA	
ENCLOSED (Y/N)? N GROUND ELEVATION (FT) 4,504	
HOOD TYPE (FROM APP. B)  UTM X COORDINATE (KM)  386.1138	
MINIMUM FLOW (ACFM) UTM Y COORDINATE (KM) 4787.3292	
PERCENT CAPTURE EFFICIENCY STACK TYPE (SEE NOTE BELOW) 03	
BUILDING HEIGHT (FT) 32.00 STACK EXIT HEIGHT FROM GROUND LEVEL (FT) 33	
BUILDING/AREA LENGTH (FT)  Cylindrical Tank  STACK EXIT DIAMETER (FT)  0.5	
BUILDING/AREA WIDTH (FT)  34.50  STACK EXIT GAS FLOWRATE (ACFM)  Negligible	
STACK EXIT TEMPERATURE (DEG. F) 380	
AIR POLLUTANT EMISSIONS	
POLLUTANT CAS NUMBER EMISSION PERCENT ESTIMATED OR ALLOWABLE EMISSIONS	i
FACTOR CONTROL MEASURED (SEE BELOW) EFFICIENCY EMISSIONS (LBS/HR) (TONS/YR) R (LBS/HR)	EFERENCE
PM	
PM-10	
SO2	
co	
NOX	
VOC TANKS 4.0 4.26E-02	
LEAD	
Benzene 71-43-2 TANKS 4.0 1.36E-05	
	1

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

DEQ USE ONLY				
DEQ PLANT ID CODE	DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE	PRIMARY SCC		SECONDARY SCC	
PART A: GENERAL INFORMATIO	N		<del></del>	
PROCESS CODE OR DESCRIPTION	Tank 320-1 - Process Ta	ank		
STACK DESCRIPTION	Tank 320-1 - Vent			
BUILDING DESCRIPTION	Tank 320-1		7,000	
DATE INSTALLED 1993	DATE LAST MODIFIED			
GENERAL TANK A	ND MATERIAL HANDLIN	G DATA		
MATERIAL DESCRIPTION Asphalt Ceme	nts	]		
TANK CAPACITY (GALLONS) 10,150	ANNUAL THROUGHPUT	T (GALLONS) 4,568,35	50	
TANK TYPE 01		SOURCE 05		
PLEASE CHOOSE FROM BELOW (01) FIXED ROOF (02) FLOATING ROOF (OR INTERNAL COV (03) VARIABLE VAPOR SPACE (04) PRESSURE TANK (05) UNDERGROUND - SPLASH LOADING (06) OTHER	ER)	PLEASE CHOOSE FRO. (01) PIPELINE (02) RAIL CAR (03) TANK TRUCK (04) SHIP BARGE (05) OTHER Mixed on	M BELOW  Islte from raw products, to tank by p	lpe (
ADDITIONAL VAPO MANUFACTURER OF DEGREASING AGENT	R PHASE DEGREASING	DATA		
TEMPERATURE OF DEGREASING AGENT IN	Not a Degreasing Agent TANK (DEG. F)	NA NA	TANK SURFACE AREA (SQ. FT  METHOD OF VAPOR RECOVER Please choose from below; (01) Incineration (02) Refrigerated Liquid Scrubb (03) Refrigerated Condenser (04) Carbon Adsorption (05) Vapor Return System (06) No Recovery System (07) Other	RY NA
ADDITIONAL MATE	RIAL HANDLING DATA			
PHYSICAL STATE Liquid	NUMBER OF PUMP SEALS	NUMBER VALVES	R OF IN-LINE NUMBER	R OF SAFETY VALVES 1
NUMBER OF OPEN-ENDED LINES	NUMBER OF SAMPLING CONNECTIONS		NUMBEI CONNE	R OF SAMPLING
MATERIAL DATA				
HAP DESCRIPTION		HAP CAS NUMBER	R IN MA	ACTION FERIAL EIGHT
Benzene		71-43-2		Igible (

OPERATING DAT	Α					ŭ
PERCENT FUEL CONSUMPTION PER C	- <del>-</del>	OPERATING SCH	EDULE			
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION CON	TROL FOUIPMEN	IT				
PARAMETER TYPE	PRIMARY None		SEC Non-	ONDARY		
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)					<u> </u>	
VENTILATION AN	D BUILDING/ARE	A DATA ST	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	TE (KM)		386.1748	
MINIMUM FLOW (ACFM)		UTM Y COORDINA			4787.3251	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		03	
BUILDING HEIGHT (FT)	12.00	STACK EXIT HEIG	HT FROM GROUND LEV	EL (FT)	13	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	12.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEMF	PERATURE (DEG. F)		370	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALI	LOWABLE EMISSI	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
co						
NOX						
voc	TANKS 4.0		1.73E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		5.52E-06			
NOTE: STACK TYPE - 01) DOWN' EMISSION FACTOR IN LBS	WARD; 02) VERTICAL ( S/UNITS PLEASE USE	UNCOVERED); 03) VE SAME HOURLY UNIT	ERTICAL (COVERED); 04 S GIVEN IN FUEL DATA S	HORIZONTAL; 05 SECTION.	) FUGITIVE	

DEQ USE ONLY							(
DEQ PLANT ID CODE DEQ BUILDING CODE		DEQ PROCESS CODE		]	DEQ STACK ID		
***************************************							
PART A: GENERAL IN	IFORMATION						
PROCESS CODE OR DESCR	PTION	Tank 2320-1 - Process	Tank				
STACK DESCRIPTION		Tank 2320-1 - Vent					
BUILDING DESCRIPTION		Tank 2320-1					
DATE INSTALLED	1993	DATE LAST MODIFIED		]			
GENER	AL TANK AND M	IATERIAL HANDLIN	IG DATA				
MATERIAL DESCRIPTION	Asphalt Cements		]				
TANK CAPACITY (GALLONS)	2,015	ANNUAL THROUGHPU	T (GALLONS)	866,815			
TANK TYPE	01		SOURCE	05	]		
PLEASE CHOOSE FROM BEI (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SPA (04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER	INTERNAL COVER) CE		PLEASE CHC (01) PIPELII (02) RAIL C (03) TANK (04) SHIP B (05) OTHER	NE AR FRUCK A <u>RGE</u>		ıcts, to tank by pipe	(
ADDITIO	NAL VAPOR PH	IASE DEGREASING	DATA	_			
MANUFACTURER OF DEGRE	ASING AGENT	Not a Degreasing Agent			TANK SURFACE	E AREA (SQ. FT) NA	
TEMPERATURE OF DEGREA	SING AGENT IN TAN	K (DEG. F)	NA		Please choose fr (01) Incineratio	n ed Liquid Scrubber ed Condenser Isorption urn System	<b>]</b>
ADDITIO	NAL MATERIAL	. HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER (	OF IN-LINE	NUMBER OF SAFETY	<u>-</u>
NUMBER OF OPEN-ENDED LINES	Liquid	NUMBER OF SAMPLING		VALVES	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	NUMBER OF SAMPLING CONNECTIONS	<u> </u>
MATERI	AL DATA						
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	
Benzene				71-43-2		Negligible	(
				<u> </u>		5 - VOCs (Tank 2320-	1)

SECTION 5, PART B						Tier I Page 5-42
OPERATING D				•		
PERCENT FUEL CONSUMPTION PE	ER QUARTER	OPERATING SCH				
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION C	ONTROL EQUIPMEN	т				
PARAMETER	PRIMARY			CONDARY		
TYPE	None		Non	8		
TYPE CODE (FROM APP. A)			<u></u>			
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FP	M)					
VENTILATION	AND BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	TON (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	ATE (KM)		386.1638	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	ATE (KM)		4787.3586	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	7.00	STACK EXIT HEIG	HT FROM GROUND LEV	/EL (FT)	8	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	7.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		300	
					· · · · · · · · · · · · · · · · · · ·	
	NT EMISSIONS		<b></b>			
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED		LOWABLE EMISSION	
	(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
со						
NOX						
VOC	TANKS 4.0		5.45E-04			
LEAD	1.1.5.1.5		51104 511			
	TANKS 4.0		1.74E-07			
Benzene 71-43-2	1 MINO 4.0		1.74E-U/		L	L

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION. NOTE:

DEQ USE ONLY								
DEQ PLANT ID CODE		DEQ PROCESS CODE			DEQ STACK ID COI	DE		
DEQ BUILDING CODE		PRIMARY SCC			SECONDARY SCC			
PART A: GENERAL I	NFORMATION		-					
PROCESS CODE OR DESC	RIPTION	Tank 44 - Asphalt Emuls	sion					
STACK DESCRIPTION		Tank 44 - Vent						
BUILDING DESCRIPTION		Tank 44						
DATE INSTALLED	Oct 1996	DATE LAST MODIFIED						
GENEF	AL TANK AND N	MATERIAL HANDLIN	G DATA					
MATERIAL DESCRIPTION	Asphalt Emulsion		]					
TANK CAPACITY (GALLONS *Note: Average annual throut TANK TYPE		ANNUAL THROUGHPU oduct storage group. Act		2,631,374 * may be high	ner for individual ta	nks in the storage	group.	
PLEASE CHOOSE FROM BE (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SP, (04) PRESSURE TANK (05) UNDERGROUND - SP, (06) OTHER	INTERNAL COVER) ACE		PLEASE CHOO (01) PIPELINI (02) RAIL CA (03) TANK TF (04) SHIP BA (05) OTHER	E R RUCK RGE	SELOW	to tank by plpe	<b>_</b>	1
		HASE DEGREASING	DATA	_				
MANUFACTURER OF DEGR		Not a Degreasing Agent			ANK SURFACE AR		NA	
TEMPERATURE OF DEGRE	ASING AGENT IN TANI	K (DEG. F)	NA J	F	METHOD OF VAPOF Please choose from b (01) Incineration (02) Refrigerated Li (03) Refrigerated Co (04) Carbon Adsorp (05) Vapor Return S (06) No Recovery S (07) Other	oelow: quid Scrubber ondenser tion System	NA NA	
ADDITIO	ONAL MATERIAL	. HANDLING DATA						
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF	IN-LINE	NUMBER OF S RELIEF VALVE		
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF S.		
MATER	IAL DATA							
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTIO		
Panyana			-			BY WEIGHT	_	
Benzene			<u>[</u>	71-43-2		Negligible		(
			L T				<u> </u>	
						5 - VO	 ] Cs (Tank44)	

						Page 5-44
OPERATING		OBER LENIO COLL	1 PM Ph. 4 4 8 PM			
PERCENT FUEL CONSUMPTION F DEC-FEB 10	1	OPERATING SCH				
		HOURS/DAY	24			
	•	DAY/WEEK	7			
JUN-AUG         40           SEP-NOV         20	•	WEEKS/YEAR	52			
	' Control Equipmei	AIT"				
PARAMETER TYPE	PRIMARY None		SEC0 None	ONDARY		
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)	)					
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FF	'M)					
VENTILATION	I AND BUILDING/ARE	EA DATA S'	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	ION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	ATE (KM)		386.2237	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	ATE (KM)		4787.2884	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	36.00	STACK EXIT HEIG	HT FROM GROUND LEVE	L (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEMP	PERATURE (DEG, F)		200	
AIR POLLUTA	NT EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALI (LBS/HR)	LOWABLE EMISSIO	ONS REFERENCE
PM						
PM-10						
SO2						
со						
NOX						
voc	TANKS 4.0		1.53E-04			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.89E-08			

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION. NOTE:

DEQ USE ONLY								į
DEQ PLANT ID CODE		DEQ PROCESS CODE			DEQ STACK ID COD	DE		
DEQ BUILDING CODE		PRIMARY SCC			SECONDARY SCC			
PART A: GENERAL	INFORMATION							
PROCESS CODE OR DES	SCRIPTION	Tank 45 - Asphalt Emuls	lon				]	
STACK DESCRIPTION		Tank 45 - Vent					]	
BUILDING DESCRIPTION		Tank 45						
DATE INSTALLED	Oct 1996	DATE LAST MODIFIED						
GENI	ERAL TANK AND N	ATERIAL HANDLIN	G DATA					
MATERIAL DESCRIPTION	Asphalt Emulsion		]					
TANK CAPACITY (GALLO. *Note: Average annual the	, <u> </u>	ANNUAL THROUGHPU roduct storage group. Act		2,631,374 may be hig	her for individual tai	nks in the storage (	group.	
PLEASE CHOOSE FROM (01) FIXED ROOF (02) FLOATING ROOF (03) VARIABLE VAPOR S (04) PRESSURE TANK (05) UNDERGROUND - S (06) OTHER	OR INTERNAL COVER) SPACE	7777	PLEASE CHO (01) PIPELIN (02) RAIL CA (03) TANK T (04) SHIP BA (05) OTHER	IE AR RUCK ARGE	BELOW  e from raw products, t	o tank by pipe	]	(
		HASE DEGREASING	DATA				<u> </u>	
MANUFACTURER OF DEC	REASING AGENT	Not a Degreasing Agent		٦	TANK SURFACE ARE	EA (SQ. FT)	NA NA	
TEMPERATURE OF DEGR	REASING AGENT IN TAN	K (DEG. F)	NA	F	METHOD OF VAPOR Please choose from b (01) Incineration (02) Refrigerated Lic (03) Refrigerated Co (04) Carbon Adsorpt (05) Vapor Return S (06) No Recovery S (07) Other	elow: quid Scrubber andenser don ystem	NA NA	
ADDI:	ΓΙΟΝΑL MATERIAI	HANDLING DATA						
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF VALVES	F IN-LINE	NUMBER OF SA RELIEF VALVES		
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SA		
MATE	RIAL DATA							
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	I	
Benzene				71-43-2		Negligible	] ] ]	(
				f		5 - VOC	s (Tank 45)	

NOTE:

						Page 5-40
OPERATING DA PERCENT FUEL CONSUMPTION PER		OPERATING SCH	HEDULE			
DEC-FEB 10	. 40/11/	HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
F	ANTROL FOLIRMEN	ır				
PARAMETER PARAMETER	NTROL EQUIPMEN PRIMARY	41	SEC	ONDARY		
TYPE	None		None	<del></del>		
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER		·				
PRESSURE DROP (IN. OF WATER)	141.1					
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTILATION A	ND BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVA	FION (FT)	·	4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDIN	ATE (KM)		386.2214	
MINIMUM FLOW (ACFM)		UTM Y COORDIN	ATE (KM)		4787.2821	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	63.00	STACK EXIT HEIG	HT FROM GROUND LEVE	EL (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	METER (FT)		0.5	·
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		200	
AIR POLLUTAN	T EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALL	OWABLE EMISSIO	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
CO	W. 1. W.					
NOX						
voc	TANKS 4.0		1.53E-04			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.89E-08			
						****

DEQ USE ONLY						J
DEQ PLANT ID CODE DEQ BUILDING CODE		DEQ PROCESS CODE		DEQ STACK ID C		
PART A: GENERAL	INFORMATION					
PROCESS CODE OR DESC	CRIPTION	Tank 46 - Vent	**			
STACK DESCRIPTION		Tank 46 - Pressure Rell	ef Valve			
BUILDING DESCRIPTION		Tank 46				
DATE INSTALLED	Oct 1996	DATE LAST MODIFIED				
GENE	RAL TANK AND	MATERIAL HANDLIN	G DATA			
MATERIAL DESCRIPTION	Asphalt Emulsion		]			
TANK CAPACITY (GALLON *Note: Average annual thro TANK TYPE		ANNUAL THROUGHPUT product storage group. Act		e higher for Individual	tanks in the storage group.	
PLEASE CHOOSE FROM BI (01) FIXED ROOF (02) FLOATING ROOF (OI (03) VARIABLE VAPOR SF (04) PRESSURE TANK (05) UNDERGROUND - SF (06) OTHER	R INTERNAL COVER		PLEASE CHOOSE FI (01) PIPELINE (02) RAIL CAR (03) TANK TRUCK (04) SHIP BARGE (05) OTHER Mixed		s, to tank by pipe	(
ADDIT		PHASE DEGREASING Not a Degreasing Agent	DATA	TANK CUREAGE	NDFA (60 FT)	_
TEMPERATURE OF DEGRE			NA .	METHOD OF VAPO Please choose from (01) Incineration (02) Refrigerated (03) Refrigerated (04) Carbon Adso (05) Vapor Return (06) No Recovery (07) Other	OR RECOVERY NA n below: Liquid Scrubber Condenser orption n System	
ADDIT	IONAL MATERIA	AL HANDLING DATA				
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS	NUMB VALVE	BER OF IN-LINE	NUMBER OF SAFETY RELIEF VALVES	11
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS			NUMBER OF SAMPLING CONNECTIONS	
MATER	RIAL DATA					
HAP DESCRIPTION			HAP C NUME		HAP FRACTION IN MATERIAL BY WEIGHT	
Benzene			71-43-	2	Negligible	(
			<u>L</u>		5 - VOCs (Tank 4	-6)

						Page 5-46
OPERATING DAT PERCENT FUEL CONSUMPTION PER C		OPERATING SCH	EDIU E			
DEC-FEB 10	OAKTEK	HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20		WEEKO TEAK	02			
	ITROL EQUIPMENT	Γ	050	)		
PARAMETER TYPE	PRIMARY None	1	None	ONDARY		
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)		J				
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTII ATION AN	ID BUILDING/AREA	A DATA ST	ACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVATI			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA			386.2171	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	TE (KM)		4787.2908	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		03	
BUILDING HEIGHT (FT)	36.00	STACK EXIT HEIGH	T FROM GROUND LEVE	L (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	LOWRATE (ACFM)		Negligible	
		STACK EXIT TEMP	ERATURE (DEG. F)		200	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALL	OWABLE EMISSIO	ons
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
РМ	4					
PM-10						
SO2						
co						
NOX						
voc	TANKS 4.0		1.53E-04			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

DEQ USE ONLY								{
DEQ PLANT ID CODE DEQ BUILDING CODE		DEQ PROCESS CODE PRIMARY SCC			DEQ STACK ID COL	DE		
PART A: GENERAL IN	IFORMATION							
PROCESS CODE OR DESCR	IPTION	Tank 47 - Asphalt Emuls	aion					
STACK DESCRIPTION		Tank 47 - Vent						
BUILDING DESCRIPTION		Tank 47						
DATE INSTALLED	Oct 1996	DATE LAST MODIFIED						
GENER	AL TANK AND M	ATERIAL HANDLIN	G DATA					
MATERIAL DESCRIPTION	Asphalt Emulsion		]					
TANK CAPACITY (GALLONS) *Note: Average annual throu: TANK TYPE		ANNUAL THROUGHPU duct storage group. Act		2,631,374 may be hig 05		nks in the storage	group.	
PLEASE CHOOSE FROM BEL (01) FIXED ROOF (02) FLOATING ROOF (OR) (03) VARIABLE VAPOR SPA (04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER	NTERNAL COVER) CE		PLEASE CHOO (01) PIPELIN (02) RAIL CA (03) TANK TI (04) SHIP BA (05) OTHER	E R RUCK RGE	BELOW te from raw products,	to tank by pipe	<b>_</b>	(
		ASE DEGREASING	DATA					
MANUFACTURER OF DEGREA		Not a Degreasing Agent	NA NA		METHOD OF VAPOR Please choose from to (01) Incineration (02) Refrigerated Li (03) Refrigerated Co (04) Carbon Adsorp (05) Vapor Return S (06) No Recovery S (07) Other	R RECOVERY selow: quid Scrubber ondenser titon system	NA NA	
ADDITIC	NAL MATERIAL	HANDLING DATA						
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER O	OF IN-LINE	NUMBER OF SA RELIEF VALVES		
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		•		NUMBER OF SA	AMPLING	
MATERI	AL DATA							
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	1	
3enzene			   	71-43-2		Negligible	] ] ] ] ss (Tank 47)	

						Page 5-50
OPERATING DA						•
PERCENT FUEL CONSUMPTION PER	QUARTER	OPERATING SCH				
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION COI	NTROL EQUIPMEN	IT				
PARAMETER TYPE	PRIMARY None		SE <sup>©</sup> Nor	CONDARY		<b>;</b>
TYPE CODE (FROM APP. A)	110110		1101			
MANUFACTURER			<u></u>			
MODEL NUMBER			=			
PRESSURE DROP (IN. OF WATER)			F			l
WET SCRUBBER FLOW (GPM)			<u> </u>			
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTILATION A	ND BUILDING/ARE	A DATA S'	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	ATE (KM)		386.2152	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	ATE (KM)		4787.2844	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	36.00	STACK EXIT HEIG	HT FROM GROUND LEV	/EL (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	IETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		200	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALI	.OWABLE EMISSI	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM			(LEGITIN)			
PM-10						
SO2						
со						
NOX						
VOC	TANKS 4.0		1.53E-04			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.89E-08			
	<u> </u>	<del></del>		l		L

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION. NOTE:

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CODE		]	DEQ STACK ID COD	E
DEQ BUILDING CODE		PRIMARY SCC		]	SECONDARY SCC	
PART A: GENERAL	NFORMATION					
PROCESS CODE OR DESC	RIPTION	Tank 48 - Asphalt Emuls	ilon			
STACK DESCRIPTION		Tank 48 - Vent				
BUILDING DESCRIPTION		Tank 48				
DATE INSTALLED	1992	DATE LAST MODIFIED		]		
GENE	RAL TANK AND M	ATERIAL HANDLIN	G DATA			
MATERIAL DESCRIPTION	Asphalt Emulsion		]			
TANK CAPACITY (GALLON: *Note: Average annual thro TANK TYPE		ANNUAL THROUGHPU oduct storage group. Act		2,631,374 t may be hig 05		nks in the storage group.
PLEASE CHOOSE FROM BI (01) FIXED ROOF (02) FLOATING ROOF (OF (03) VARIABLE VAPOR SF (04) PRESSURE TANK (05) UNDERGROUND - SF (06) OTHER	R INTERNAL COVER) PACE		PLEASE CHC (01) PIPELII (02) RAIL C (03) TANK I (04) SHIP B (05) OTHER	NE AR FRUCK ARGE	BELOW	o tank by pipe
ADDIT		Not a Degreasing Agent	DATA		TANK SURFACE ARE	EA (SQ. FT) NA
TEMPERATURE OF DEGRE			NA		METHOD OF VAPOR Please choose from b (01) IncIneration (02) Refrigerated Lic (03) Refrigerated Co (04) Carbon Adsorpt (05) Vapor Return S (06) No Recovery S (07) Other	RECOVERY NA elow: guid Scrubber endenser ion ystem
ADDITI	ONAL MATERIAL	HANDLING DATA				
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER O	OF IN-LINE	NUMBER OF SAFETY RELIEF VALVES 1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SAMPLING CONNECTIONS
MATER	RIAL DATA					
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT
Benzene				71-43-2		Negligible
						5 - VOCs (Tank 48)

OPERATING DAT PERCENT FUEL CONSUMPTION PER C		OPERATING SCH	EDULE			
DEC-FEB 10	,	HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
DOLL LITION CON	TOOL FOLLOWER	·				
POLLUTION CON PARAMETER	PRIMARY	11	SEC	ONDARY		
TYPE	None		Non	е		
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)	,					
VENTILATION AN	ID BUILDING/ARE	A DATA ST	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	ION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	TE (KM)		386.2107	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	TE (KM)		4787.2929	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		03	
BUILDING HEIGHT (FT)	36.00	STACK EXIT HEIG	HT FROM GROUND LEV	EL (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEMP	PERATURE (DEG. F)		200	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	AL	LOWABLE EMISSI	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
			(LBS/HR)			
PM						
PM-10						
SO2						L
CO						
NOX			1 1505 0.1			
VOC	TANKS 4.0		1.53E-04			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.89E-08			
						<u> </u>
NOTE: STACK TYPE - 01) DOWN	IMARDI 02) VEDTICAL	(LINCOVERED): 00\V	ERTICAL (COVERED): O	I) HODIZONTAL : 05	S EUGITAGE	
EMISSION FACTOR IN LE	S/UNITS. PLEASE USE	SAME HOURLY UNIT	S GIVEN IN FUEL DATA	SECTION.	7, FUGITIVE	

DEQ USE ONLY					
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID O	CODE
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SO	oc
PART A: GENERAL IN	IFORMATION				
PROCESS CODE OR DESCR	RIPTION	Tank 51 - Asphalt Emuls	ion		
STACK DESCRIPTION		Tank 51 - Vent			
BUILDING DESCRIPTION		Tank 51			
DATE INSTALLED	1992	DATE LAST MODIFIED			
GENER	AL TANK AND M	ATERIAL HANDLIN	G DATA		
MATERIAL DESCRIPTION	Asphalt Emulsion		]		
TANK CAPACITY (GALLONS) *Note: Average annual throu TANK TYPE		ANNUAL THROUGHPU duct storage group. Act		2,631,374 * t may be higher for individua	I tanks in the storage group.
PLEASE CHOOSE FROM BEI (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SPA (04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER	INTERNAL COVER) CE		(01) PIPELIN (02) RAIL CA (03) TANK TANK TANK TANK TANK TANK TANK TANK	AR FRUCK	ets, to tank by pipe
ADDITIO	ONAL VAPOR PH	ASE DEGREASING	DATA		
MANUFACTURER OF DEGRE	EASING AGENT	Not a Degreasing Agent		TANK SURFACE	AREA (SQ. FT) NA
TEMPERATURE OF DEGREA	ISING AGENT IN TANK	(DEG. F)	NA NA	METHOD OF VAR Please choose fro (01) Incineration (02) Refrigerate (03) Refrigerate (04) Carbon Ads (05) Vapor Retu (06) No Recover	m below: d Liquid Scrubber d Condenser corption rn System
ADDITIO	ONAL MATERIAL	HANDLING DATA			
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	NUMBER OF SAFETY RELIEF VALVES 1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS			NUMBER OF SAMPLING CONNECTIONS
MATER	AL DATA				
HAP DESCRIPTION				HAP CAS NUMBER	HAP FRACTION · IN MATERIAL BY WEIGHT
Benzene				71-43-2	Negligible
					5-VOCs (Tank 51)

						Page 5-54
OPERATING DA PERCENT FUEL CONSUMPTION PER		OPERATING SCHE	DIBE			
DEC-FEB 10	COARTER	HOURS/DAY	24			
MAR-MAY 30		DAYWEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20		WEEKOFEAR				
	NTROL EQUIPMEN	NT	850	ANDADV		
PARAMETER TYPE	PRIMARY None		None	ONDARY		
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTILATION A	.ND BUILDING/ARE	EA DATA ST	ACK DATA			
ENCLOSED (Y/N)?	N N	GROUND ELEVATION			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINAT			386.2004	
MINIMUM FLOW (ACFM)		UTM Y COORDINAT			4787.289	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE			03	
BUILDING HEIGHT (FT)	36.00		T FROM GROUND LEVI	EL (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAME			0.5	
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS F			Negligible	
	<u> </u>	STACK EXIT TEMPI	ERATURE (DEG. F)		200	
AID DOLLUTAN	F EMICCIONIC					
AIR POLLUTAN' POLLUTANT CAS NUMBER	EMISSIONS	PERCENT	ESTIMATED OR	ALI	OWABLE EMISSIO	ONIC
POLEUTAINI CAS NUMBER	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
	(SEE BEESW)		(LBS/HR)	(LDONIN)	(10/10/11)	
PM						
PM-10						
SO2						
CO						
NOX						
VOC	TANKS 4.0		1.53E-04			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.89E-08			
NOTE: STACK TYPE - 01) DOW	/NWARD; 02) VERTICAL	(UNCOVERED); 03) VE	RTICAL (COVERED): 04	HORIZONTAL; 05	) FUGITIVE	

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

DEQ USE ONLY					
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CO	ODE
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCO	
PART A: GENERAL I	NFORMATION				
PROCESS CODE OR DESCR	RIPTION	Tank 52 - Asphalt Emuls	sion		
STACK DESCRIPTION		Tank 52 - Vent			
BUILDING DESCRIPTION		Tank 52			
DATE INSTALLED	1992	DATE LAST MODIFIED		]	
GENER	RAL TANK AND M	ATERIAL HANDLIN	IG DATA		
MATERIAL DESCRIPTION	Asphalt Emulsion		]		
TANK CAPACITY (GALLONS *Note: Average annual throit TANK TYPE	·	ANNUAL THROUGHPU  oduct storage group. Act		2,631,374 * it may be higher for individual	tanks in the storage group.
PLEASE CHOOSE FROM BE (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SP. (04) PRESSURE TANK (05) UNDERGROUND - SP (06) OTHER	INTERNAL COVER) ACE		(01) PIPELII (02) RAIL C (03) TANK 1 (04) SHIP B	AR TRUCK	s, to tank by pipe
ADDITION MANUFACTURER OF DEGR		ASE DEGREASING Not a Degreasing Agent	DATA	TANK CHOPACE A	BEA/CO ET
TEMPERATURE OF DEGREA			NA	METHOD OF VAPO Please choose from (01) Incineration (02) Refrigerated (03) Refrigerated (04) Carbon Adso (05) Vapor Return (06) No Recovery (07) Other	DR RECOVERY NA below: Liquid Scrubber Condenser rption s System
ADDITIO	ONAL MATERIAL	HANDLING DATA			
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	NUMBER OF SAFETY RELIEF VALVES 1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS	;	l	NUMBER OF SAMPLING CONNECTIONS
MATER	IAL DATA	·			
HAP DESCRIPTION				HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene				71-43-2	Negligible  5 - VOCs (Tank 52)

OPERATING DAT PERCENT FUEL CONSUMPTION PER Q		OPERATING SCH	EDULE			
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>			
DOL: UTION CON	TD01	L 1994				
POLLUTION CON PARAMETER	TROL EQUIPME PRIMARY	NT	SE.	CONDARY		
TYPE	None		No			
TYPE CODE (FROM APP. A)					]	
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)					]	
WET SCRUBBER FLOW (GPM)					]	
BAGHOUSE AIR/CLOTH RATIO (FPM)					]	
VENTILATION AN	D BUILDING/ARI	EA DATA S'	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	ION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	ATE (KM)		386.1963	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	ATE (KM)		4787.2975	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	36.00	STACK EXIT HEIG	HT FROM GROUND LE	/EL (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEMP	PERATURE (DEG. F)		200	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	AL	LOWABLE EMISSION	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
			(LBS/HR)		· [************************************	
PM						
PM-10						
SO2				<u> </u>		
CO				<u> </u>		
NOX						
VOC	TANKS 4.0		1.53E-04			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.89E-08			
NOTE: STANKE STANKE		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
NOTE: STACK TYPE - 01) DOWN' EMISSION FACTOR IN LBS	WARD; 02) VERTICAL S/UNITS, PLEASE USE	(UNCOVERED); 03) VI E SAME HOURLY UNIT	ERTICAL (COVERED); 0- S GIVEN IN FUEL DATA	4) HORIZONTAL; 05 SECTION.	5) FUGITIVE	

DEQ USE ONLY							(
DEQ PLANT ID CODE		DEQ PROCESS CODE			DEQ STACK ID CO	DDE	
DEQ BUILDING CODE		PRIMARY SCC			SECONDARY SCC		
PART A: GENERAL II	NFORMATION						
PROCESS CODE OR DESCR	RIPTION	Tank 53 - Asphalt Emuls	lon				
STACK DESCRIPTION		Tank 53 - Vent					
BUILDING DESCRIPTION		Tank 53					
DATE INSTALLED	1992	DATE LAST MODIFIED					
GENER	KAL TANK AND M	ATERIAL HANDLIN	G DATA				
MATERIAL DESCRIPTION	Asphalt Emulsion		]				
TANK CAPACITY (GALLONS *Note: Average annual throut TANK TYPE		ANNUAL THROUGHPU oduct storage group. Act		2,631,374 may be hig		anks in the storage group.	
PLEASE CHOOSE FROM BE (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SP (04) PRESSURE TANK (05) UNDERGROUND - SP (06) OTHER	INTERNAL COVER) ACE		PLEASE CHO (01) PIPELIN (02) RAIL C/ (03) TANK T (04) SHIP B/ (05) OTHER	IE AR RUCK ARGE	BELOW	s, to tank by pipe	4
ADDITI	ONAL VAPOR PH	IASE DEGREASING	DATA				
MANUFACTURER OF DEGR	EASING AGENT	Not a Degreasing Agent			TANK SURFACE A	REA (SQ. FT) NA	
TEMPERATURE OF DEGRE	ASING AGENT IN TANI	∢(DEG. F)	NA NA		METHOD OF VAPO Please choose from (01) Incineration (02) Refrigerated (03) Refrigerated (04) Carbon Adso (05) Vapor Return (06) No Recovery (07) Other	below: Liquid Scrubber Condenser rptlon System	
ADDITI	ONAL MATERIAL	. HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER O	OF IN-LINE	NUMBER OF SAFETY RELIEF VALVES1	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS	ì			NUMBER OF SAMPLING CONNECTIONS	
MATER	IAL DATA		•				
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	
Benzene				71-43-2		Negligible	
						5 - VOCs (Tank 53)	

·						Page 5-58
OPERATING DAT						
PERCENT FUEL CONSUMPTION PER C	UARTER	OPERATING SCH				
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52	•		
SEP-NOV 20						
POLLUTION CON	TROL EQUIPMEN	NT				
PARAMETER TYPE	PRIMARY		SEC Non	ONDARY		
	None		Non	3		
TYPE CODE (FROM APP. A)						
MANUFACTURER			<u> </u>			
MODEL NUMBER			<u>L</u> .	1		
PRESSURE DROP (IN. OF WATER)			<u> </u>			
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)			<u> </u>			
VENTILATION AN	ID BUILDING/ARE	A DATA S	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	TION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDIN	ATE (KM)		386.1942	
MINIMUM FLOW (ACFM)		UTM Y COORDIN	ATE (KM)		4787.2911	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	36.00	STACK EXIT HEIG	HT FROM GROUND LEV	EL (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	METER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEM	PERATURE (DEG. F)		200	
AIR POLLUTANT	EMICCIONC					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ΔII	OWABLE EMISSIO	าพร
TOLEO THE OND HOMBER	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
PM			(LBS/HR)		· · · · · · · · · · · · · · · · · · ·	<del></del>
PM-10						[
						L
SO2						
CO			<u> </u>			
NOX						
VOC	TANKS 4.0		1.53E-04			L
LEAD						
Benzene 71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

DEQ USE ONLY						
DEQ PLANT ID CODE DEQ BUILDING CODE		DEQ PROCESS CODE			DEQ STACK ID CO	
PART A: GENERAL I	NFORMATION					***************************************
PROCESS CODE OR DESC	RIPTION	Tank 54 - Asphalt Emuls	lon			
STACK DESCRIPTION		Tank 54 - Vent				
BUILDING DESCRIPTION		Tank 54				
DATE INSTALLED	1992	DATE LAST MODIFIED				
GENER	AL TANK AND M	ATERIAL HANDLIN	G DATA			
MATERIAL DESCRIPTION	Asphalt Emulsion		]			
TANK CAPACITY (GALLONS *Note: Average annual throut TANK TYPE  PLEASE CHOOSE FROM BE (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SP, (04) PRESSURE TANK (05) UNDERGROUND - SP	Ighput per tank for pro 01  LOW  INTERNAL COVER)  ACE	ANNUAL THROUGHPU oduct storage group. Act	SOURCE PLEASE CHO (01) PIPELIN (02) RAIL CA (03) TANK T (04) SHIP BA	05 OSE FROM IE AR RUCK ARGE	gher for individual (	
(06) OTHER		***************************************		IMIXED ONSI	te from raw products	s, to tank by pipe
ADDITION MANUFACTURER OF DEGR	·	Not a Degreasing Agent	DATA		TANK CHECK A	DEA/GO ET\
TEMPERATURE OF DEGREA			NA		METHOD OF VAPO Please choose from (01) Incineration (02) Refrigerated (03) Refrigerated (04) Carbon Adso (05) Vapor Return (06) No Recovery (07) Other	DR RECOVERY NA  I below:  Liquid Scrubber Condenser rption System
ADDITIO	ONAL MATERIAL	HANDLING DATA				
PHYSICAL STATE NUMBER OF OPEN-ENDED LINES	Liquid	NUMBER OF PUMP SEALS NUMBER OF SAMPLING CONNECTIONS		NUMBER ( VALVES	OF IN-LINE	NUMBER OF SAFETY RELIEF VALVES 1  NUMBER OF SAMPLING CONNECTIONS
****TED	IAL DATA					
MATER HAP DESCRIPTION	IAL DATA			HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT
Benzene			!	71-43-2		Negligible  5 - VOCs (Tank 54)

OLOTION O, I AIN D						Page 5-6
OPERATING PERCENT FUEL CONSUMPTION F		ODEDATING COL	EDIN E			
DEC-FEB 10	•	OPERATING SCH HOURS/DAY	24			
MAR-MAY 30	<u>-</u>	DAY/WEEK	7			
JUN-AUG 40	_	WEEKS/YEAR	52			
SEP-NOV 20	-	WEEKO/ EAK	32			
	•					
PARAMETER PARAMETER	CONTROL EQUIPME PRIMARY	NT	SE	CONDARY		
TYPE	None		No			
TYPE CODE (FROM APP. A)					]	
MANUFACTURER						
MODEL NUMBER						1
PRESSURE DROP (IN. OF WATER	)				]	
WET SCRUBBER FLOW (GPM)					j	
BAGHOUSE AIR/CLOTH RATIO (FF	<sup>2</sup> M)				1	
VENTILATION	AND BUILDING/ARI	EA DATA S'	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	ION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	ATE (KM)		386.1899	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	ATE (KM)		4787.2993	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	36.00	STACK EXIT HEIG	HT FROM GROUND LEV	/EL (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	<u> </u>
		STACK EXIT TEM	PERATURE (DEG. F)		200	
AIR POLLUTA	ANT EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS	AL (LBS/HR)	LOWABLE EMISSI (TONS/YR)	ONS REFERENCE
PM			(LBS/HR)			
PM-10						
SO2			<u> </u>	<u> </u>		<u> </u>
CO					:	
NOX						<u> </u>
VOC	TANKS 4.0		1.53E-04			
LEAD	17/17/0 4:0		1.00E-04			<u> </u>
	TANKS		4.000.00			
Benzene 71-43-2	TANKS 4.0		4.89E-08	<u> </u>		
		[]	#			L

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION. NOTE:

DEQ USE ONLY							ļ
DEQ PLANT ID CODE		DEQ PROCESS CODE		]	DEQ STACK ID COI	DE	
DEQ BUILDING CODE		PRIMARY SCC			SECONDARY SCC		
PART A: GENERAL I	NFORMATION					*****	
PROCESS CODE OR DESCR	RIPTION	Tank 55 - Asphalt Emuls	sion				
STACK DESCRIPTION		Tank 55 - Vent					
BUILDING DESCRIPTION		Tank 55					
DATE INSTALLED	1992	DATE LAST MODIFIED					
GENER	KAL TANK AND M	ATERIAL HANDLIN	IG DATA				
MATERIAL DESCRIPTION	Asphalt Emulsion		]				
TANK CAPACITY (GALLONS *Note: Average annual throu TANK TYPE	·	ANNUAL THROUGHPU oduct storage group. Act		2,631,374 may be hig		nks in the storage group.	
PLEASE CHOOSE FROM BE (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SP (04) PRESSURE TANK (05) UNDERGROUND - SP (06) OTHER	INTERNAL COVER) ACE		PLEASE CHO (01) PIPELIN (02) RAIL C/ (03) TANK T (04) SHIP B/ (05) OTHER	IE AR RUCK ARGE	BELOW  From raw products,	to tank by pipe	(
ADDITI	ONAL VAPOR PH	IASE DEGREASING	DATA				
MANUFACTURER OF DEGR	EASING AGENT	Not a Degreasing Agent		1	TANK SURFACE AR	EA (SQ. FT) NA	
TEMPERATURE OF DEGRE	ASING AGENT IN TAN	〈(DEG. F)	NA	F	METHOD OF VAPOR Please choose from to (01) Incineration (02) Refrigerated LI (03) Refrigerated CI (04) Carbon Adsorp (05) Vapor Return SI (06) No Recovery SI (07) Other	pelow; quld Scrubber ondenser tton system	
ADDITIO	ONAL MATERIAL	HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF	F IN-LINE	NUMBER OF SAFETY RELIEF VALVES	_1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING		_		NUMBER OF SAMPLING CONNECTIONS	 
MATER	IAL DATA						
HAP DESCRIPTION				HAP CAS NUMBER	•	HAP FRACTION IN MATERIAL BY WEIGHT	
Benzene				71-43-2		Negligible	{
						5 - VOCs (Tank 5	i5)

ODEDATING DA	<b>-</b> -					
OPERATING DATE OPERCENT FUEL CONSUMPTION PERCENT		OPERATING SCH	EDULE			
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
DOLLUTION CON	TOOL TOURS	_				
PARAMETER PARAMETER	NTROL EQUIPMEN' PRIMARY	Į.	SEC	ONDARY		
TYPE	None		None			
TYPE CODE (FROM APP. A)						
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)		]				
BAGHOUSE AIR/CLOTH RATIO (FPM)		]				
VENTILATION AN	ND BUILDING/ARE	A DATA S'	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA			386.1879	
MINIMUM FLOW (ACFM)		UTM Y COORDINA			4787,2934	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE			03	
BUILDING HEIGHT (FT)	36.00		HT FROM GROUND LEVE	EL (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)	, ,	0,5	
BUILDING/AREA WIDTH (FT)	14.00		FLOWRATE (ACFM)		Negligible	
			PERATURE (DEG. F)		200	
AID DOLL STANT	EMISSIONS					
AIR POLLUTANT		DEDARUT	#07W447FD 05			
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED		LOWABLE EMISSIO	
	(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
СО						
NOX						
VOC	TANKS 4.0		1.53E-04			
LEAD						
Benzene 71-43-2	TANKS 4.0		4.89E-08			
NOTE: STACK TYPE - 01) DOWN	WARD; 02) VERTICAL (U	JNCOVERED); 03) VE	ERTICAL (COVERED); 04)	HORIZONTAL; 05	) FUGITIVE	
EMISSION FACTOR IN LB	S/UNITS. PLEASE USE S	SAME HOURLY UNIT:	S GIVEN IN FUEL DATA Ŝ	ECTION,		

DEQ USE ONLY						ı
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STAC	KID CODE	
DEQ BUILDING CODE		PRIMARY SCC	<u></u>	SECONDAF	RY SCC	
PART A: GENERAL	INFORMATION	11 - 11 11 11 11				
PROCESS CODE OR DESC	CRIPTION	Tank 49 - Asphalt Emuls	slon			
STACK DESCRIPTION		Tank 49 - Vent				
BUILDING DESCRIPTION		Tank 49				
DATE INSTALLED	March 1994	DATE LAST MODIFIED				
GENE	RAL TANK AND	MATERIAL HANDLIN	IG DATA			
MATERIAL DESCRIPTION	Asphalt Emulsion	w/ fuel content	]			
TANK CAPACITY (GALLON *Note: Average annual thro	·	ANNUAL THROUGHPU product storage group. Act		1,259,177 * may be higher for indiv	5148.774753 vidual tanks in the storage group.	
PLEASE CHOOSE FROM BI (01) FIXED ROOF (02) FLOATING ROOF (0I (03) VARIABLE VAPOR SI (04) PRESSURE TANK (05) UNDERGROUND - SI (06) OTHER	R INTERNAL COVER) PACE		(01) PIPELINE (02) RAIL CAI (03) TANK TE (04) SHIP BAI	RUCK	roducts, to tank by pipe	(
		PHASE DEGREASING	DATA			
MANUFACTURER OF DEGR		Not a Degreasing Agent			ACE AREA (SQ. FT) NA NA	
TEMPERATURE OF DEGRE	ASING AGENT IN TA	NK (DEG. F)	NA .	Please choo: (01) Incine: (02) Refrig (03) Refrig (04) Carbo (05) Vapor	F VAPOR RECOVERY se from below: ration erated Liquid Scrubber erated Condenser in Adsorption Return System covery System	
ADDIT	ONAL MATERIA	AL HANDLING DATA				
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE /ALVES	NUMBER OF SAFETY  RELIEF VALVES 1	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS			NUMBER OF SAMPLING CONNECTIONS	
MATER	RIAL DATA					
HAP DESCRIPTION				HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT	
Benzene			Į.	1-43-2	0.01000%	{
						`
					5 - VOCs (Tank 49)	

						, 49000
OPERATING DAT PERCENT FUEL CONSUMPTION PER C		OPERATING SCH	EDI II E			
DEC-FEB 10	OAN EN	HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20		TELICO TELIC	<u> </u>			
	TDO: COLUMNIC					
POLLUTION CON PARAMETER	PRIMARY	11	SEC	ONDARY		
TYPE	None		Non			
TYPE CODE (FROM APP. A)					]	
MANUFACTURER						
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)						
WET SCRUBBER FLOW (GPM)						
BAGHOUSE AIR/CLOTH RATIO (FPM)						
VENTILATION AN	D BUILDING/ARE	A DATA ST	TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT			4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDINA	TE (KM)		386.2087	
MINIMUM FLOW (ACFM)		UTM Y COORDINA	TE (KM)		4787.2864	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	NOTE BELOW)		03	
BUILDING HEIGHT (FT)	36.00	STACK EXIT HEIG	HT FROM GROUND LEV	EL (FT)	37	
BUILDING/AREA LENGTH (FT)	Cylindrical Tank	STACK EXIT DIAM	ETER (FT)		0.5	
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	FLOWRATE (ACFM)		Negligible	
		STACK EXIT TEMP	PERATURE (DEG. F)		150	
AIR POLLUTANT	FMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	Δι	LOWABLE EMISSION	าพร
,,,,,,	FACTOR (SEE BELOW)	CONTROL	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
			(LBS/HR)	(EBO/IIII)	(10110/111)	NEI LINENOE
PM						
PM-10						
SO2						
CO						
NOX						
VOC	TANKS 4.0		2.80E-01			
LEAD						
Benzene 71-43-2	TANKS 4.0		3.04E-03			
NOTE: STACK TYPE - 01) DOWN' EMISSION FACTOR IN LBS	WARD; 02) VERTICAL ( S/UNITS. PLEASE USE	UNCOVERED); 03) VE SAME HOURLY UNITS	RTICAL (COVERED); 04; 6 GIVEN IN FUEL DATA S	HORIZONTAL; 05 SECTION.	) FUGITIVE	

DEQ USE ONLY							
DEQ PLANT ID CODE		DEQ PROCESS CODE		DE	Q STACK ID COD	E	
DEQ BUILDING CODE		PRIMARY SCC		SE	CONDARY SCC		
PART A: GENERAL I	NFORMATION						
PROCESS CODE OR DESC	RIPTION	Tank 50 - Asphalt Emuls	ion				
STACK DESCRIPTION Tank 50 - Vent							
BUILDING DESCRIPTION		Tank 50					
DATE INSTALLED	1992	DATE LAST MODIFIED					
GENER	AL TANK AND M	IATERIAL HANDLIN	G DATA				
MATERIAL DESCRIPTION	Asphalt Emulsion wa	fuel content	]				
TANK CAPACITY (GALLONS *Note: Average annual throu TANK TYPE		ANNUAL THROUGHPU oduct storage group. Act		1,259,177 * may be higher 05	for individual tar	5488.7525 nks in the storage	
PLEASE CHOOSE FROM BE (01) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SP, (04) PRESSURE TANK (05) UNDERGROUND - SP (06) OTHER	INTERNAL COVER) ACE		(01) PIPELIN (02) RAIL CA (03) TANK T (04) SHIP BA	AR RUCK ARGE	OW om raw products, t	o tank by pipe	]
		IASE DEGREASING	DATA				
MANUFACTURER OF DEGR		Not a Degreasing Agent			IK SURFACE ARE	,	NA I
TEMPERATURE OF DEGREA	ASING AGENT IN TAN	〈(DEG. F)	NA	Ples (01 (02 (03 (04 (05	FHOD OF VAPOR use choose from b Incineration Incineration Refrigerated Ltd Refrigerated Co Incineration	elow: quid Scrubber ondenser tion ystem	NA NA
ADDITIO	ONAL MATERIAL	HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN VALVES	-LINE	NUMBER OF SA RELIEF VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SA CONNECTIONS	
MATER	IAL DATA						
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	4
Benzene				71-43-2		0.01000%	
			İ				]
							]
						5 - 7/00	Te (Tank 50)

						rage 5-0		
OPERATING DAT PERCENT FUEL CONSUMPTION PER C		OPERATING SCH	EDINE					
DEC-FEB 10	TOARTER	HOURS/DAY	24					
MAR-MAY 30		DAYWEEK	7					
JUN-AUG 40		WEEKS/YEAR	52					
SEP-NOV 20		WELKO/TE/K	52					
POLLUTION CON PARAMETER TYPE	PRIMARY None	···	SE No	CONDARY		1		
TYPE CODE (FROM APP. A)					<u>.                                      </u>	•		
MANUFACTURER		1			- <b>-</b>			
MODEL NUMBER								
PRESSURE DROP (IN. OF WATER)					1	•		
WET SCRUBBER FLOW (GPM)					Ī			
BAGHOUSE AIR/CLOTH RATIO (FPM)								
VENTILATION AN	ID RUU DING/ARE	A DATA C	TACK DATA					
ENCLOSED (Y/N)?	N N	GROUND ELEVAT			4,504			
HOOD TYPE (FROM APP. B)		UTM X COORDINA			386,2026			
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM) 4787.2953						
PERCENT CAPTURE EFFICIENCY			STACK TYPE (SEE NOTE BELOW) 03					
BUILDING HEIGHT (FT)	36.00		HT FROM GROUND LEV	VEL (FT)	37			
BUILDING/AREA LENGTH (FT)	STACK EXIT DIAM	ETER (FT)		0.5				
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	STACK EXIT GAS FLOWRATE (ACFM) Negligible					
STACK EXIT TEMPERATURE (DEG. F) 150								
AIR POLLUTANT	EMISSIONS							
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	٨١	LOWARI E EMISSI	ONE		
o de nomber	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	LOWABLE EMISSI (TONS/YR)	REFERENCE		
PM								
PM-10								
SO2								
CO								
NOX								
VOC	TANKS 4.0		2.80E-01					
LEAD								
Benzene 71-43-2	TANKS 4.0		3.04E-03					
NOTE: STACK TYPE - 01) DOWN EMISSION FACTOR IN LBS	WARD; 02) VERTICAL ( 3/UNITS. PLEASE USE	UNCOVERED); 03) VE SAME HOURLY UNITS	RTICAL (COVERED); 04 GIVEN IN FUEL DATA	4) HORIZONTAL; 09 SECTION.	5) FUGITIVE	<del></del>		

DEQ USE ONLY							_
DEQ PLANT ID CODE		DEQ PROCESS CODE			DEQ STACK ID CO	DDE	_
DEQ BUILDING CODE		PRIMARY SCC			SECONDARY SCO		_
PART A: GENERAL INFO	ORMATION						-
PROCESS CODE OR DESCRIPT	TION	Tank 2 - Asphalt Cutbac	k or Additive				
STACK DESCRIPTION		Tank 2 - Vent					
BUILDING DESCRIPTION		Tank 2					
DATE INSTALLED	Jan 1995	DATE LAST MODIFIED					
GENERAL	_ TANK AND MA	ATERIAL HANDLIN	G DATA				
MATERIAL DESCRIPTION	Asphalt Cutback or A	dditive					
TANK CAPACITY (GALLONS) [ *Note: Average annual through TANK TYPE	41,453 put per tank for pro	ANNUAL THROUGHPU duct storage group. Act		1,264,862 may be hig		tanks in the storage group.	
PLEASE CHOOSE FROM BELOV (01) FIXED ROOF (02) FLOATING ROOF (OR INT (03) VARIABLE VAPOR SPACE (04) PRESSURE TANK (05) UNDERGROUND - SPLAS (06) OTHER	FERNAL COVER)		PLEASE CHO (01) PIPELIN (02) RAIL C/ (03) TANK T (04) SHIP B/ (05) OTHER	IE AR RUCK ARGE	BELOW		ļ
_		ASE DEGREASING	DATA				
MANUFACTURER OF DEGREAS		Not a Degreasing Agent			TANK SURFACE A		]
TEMPERATURE OF DEGREASI	NG AGENT IN TANK	(DEG. F)	NA NA		METHOD OF VAPO Please choose from (01) Incineration (02) Refrigerated (03) Refrigerated (04) Carbon Adso (05) Vapor Return (06) No Recovery (07) Other	n below: Liquid Scrubber Condenser roption I System	]
ADDITION	IAL MATERIAL	HANDLING DATA					
PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER (	OF IN-LINE	NUMBER OF SAFETY RELIEF VALVES 1	]
NUMBER OF [ OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SAMPLING CONNECTIONS	]
MATERIA	L DATA						
HAP DESCRIPTION				HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	
Benzene	44772			71-43-2		Negligible  5 - VOCs (Tank 2)	)

SECTION 5, PART B						Tier II
OPERATING DAT						Page 5-68
PERCENT FUEL CONSUMPTION PER (	QUARTER	OPERATING SCH	HEDULE			
DEC-FEB 10		HOURS/DAY	24			
MAR-MAY 30		DAY/WEEK	7			
JUN-AUG 40		WEEKS/YEAR	52			
SEP-NOV 20						
POLLUTION COM	NTROL EQUIPMEN	т				
PARAMETER TYPE	PRIMARY None			CONDARY		
TYPE CODE (FROM APP, A)	Note		Nor	1e		
MANUFACTURER			<u> </u>		<u>.                                    </u>	
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)			<u> </u>			
WET SCRUBBER FLOW (GPM)		_	<u></u>		! 1	
BAGHOUSE AIR/CLOTH RATIO (FPM)		_	<u></u>		] 1	
			<u></u>		l	
	ID BUILDING/ARE		TACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVAT	TION (FT)		4,504	
HOOD TYPE (FROM APP. B)		UTM X COORDIN	ATE (KM)		386.2063	
MINIMUM FLOW (ACFM)		UTM Y COORDIN	ATE (KM)		4787.3368	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SE	E NOTE BELOW)		03	
BUILDING HEIGHT (FT)	36.00	STACK EXIT HEIG	CHT FROM GROUND LEV	/EL (FT)	37	
BUILDING/AREA LENGTH (FT)	STACK EXIT DIAM	METER (FT)		0.5		
BUILDING/AREA WIDTH (FT)	14.00	STACK EXIT GAS	FLOWRATE (ACFM)	Negligible		
		STACK EXIT TEM	PERATURE (DEG. F)		150	
AIR POLLUTANT	EMISSIONS					
POLLUTANT CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	AL	LOWABLE EMISSIO	ONS
	FACTOR (SEE BELOW)	CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
PM:			(LB\$/HR)			r
PM-10					<u> </u>	
SO2						
со						
NOX						
VOC	TANKS 4.0		8.45E-02			
LEAD						
Benzene 71-43-2	TANKS 4.0		3.40E-04			I
	77 77 77 77		3,402,04			<u> </u>
				L		

NOTE:

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

DEQ USE ONLY								(
DEQ PLANT ID CODE		DEQ PROCESS CODE PRIMARY SCC			DEQ STACK ID COD	DE		
PART A: GENERAL IN	FORMATION							
PROCESS CODE OR DESCR	IPTION	Tank 22 - Asphalt Cutba	ck_					
STACK DESCRIPTION		Tank 22 - Vent						
BUILDING DESCRIPTION		Tank 22						
DATE INSTALLED	1992	DATE LAST MODIFIED						
GENERA	AL TANK AND M	ATERIAL HANDLIN	G DATA					
MATERIAL DESCRIPTION	Asphalt Cutback		]					
TANK CAPACITY (GALLONS)  *Note: Average annual through TANK TYPE  PLEASE CHOOSE FROM BEL (01) FIXED ROOF (02) FLOATING ROOF (OR I (03) VARIABLE VAPOR SPA	phput per tank for pro 01  OW  NTERNAL COVER)	ANNUAL THROUGHPU oduct storage group. Act	ual throughput SOURCE PLEASE CHOO (01) PIPELIN (02) RAIL CA	05 DSE FROM BI E R		nks in the storage	group.	
(04) PRESSURE TANK (05) UNDERGROUND - SPL (06) OTHER			(03) TANK TI (04) SHIP BA (05) OTHER	RGE	from raw products, I	to tank by pipe		(
ADDITION  MANUFACTURER OF DEGREE		Not a Degreasing Agent	DATA	т	ANK SURFACE ARI	EA (SO ET)	NA NA	
TEMPERATURE OF DEGREA			NA NA	M Pi ( ( (	ETHOD OF VAPOR lease choose from b (01) Incineration (02) Refrigerated Ci (03) Refrigerated Ci (04) Carbon Adsorp (05) Vapor Return S (06) No Recovery S (07) Other	R RECOVERY below: quild Scrubber pondenser tion system	NA NA	
ADDITIO	NAL MATERIAL	. HANDLING DATA						
PHYSICAL STATE NUMBER OF OPEN-ENDED LINES	Liquid	NUMBER OF PUMP SEALS NUMBER OF SAMPLING CONNECTIONS		NUMBER OF VALVES	IN-LINE	NUMBER OF SA RELIEF VALVES NUMBER OF SA CONNECTIONS	AMPLING	
MATERI	AL DATA							
HAP DESCRIPTION  Benzene			! ! !	HAP CAS NUMBER 71-43-2		HAP FRACTION IN MATERIAL BY WEIGHT 0.00168%	]	(
			•			5 - VOC	s (Tank 22)	